

UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL ADJUSTMENT AGENCY

Washington, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

NORTH CENTRAL REGION

ILLINOIS COMMITTEEMAN'S PRACTICE HANDBOOK

The 1945 Farm Program is designed to assist the farmers of Illinois to the fullest possible extent in protecting their soils against damage from erosion and loss of fertility.

The county committee, with the approval of the State committee, may designate those practices which will be approved for payment in the county in order that the farm allowance will be used most effectively to bring about increased conservation, or the county committee may specify for any group of farms a proportion of the farm allowance which may be earned only by carrying out certain designated practices which are very much needed.

A. CONSERVATION PRACTICE ALLOWANCE

The practice allowance is the maximum amount of payment that may be made for carrying out approved conservation practices on the farm.

(1) Except as limited by the practice provisions, the allowance for the following special practices shall be the extent of such practices times the approved rates: Contouring Intertilled Crops, Contour Seeding, Establishing Contour Stripcropping, and Pasture Improvement.

(2) The allowance for regular practices shall be the sum of the following, or \$15, whichever is greater:

- (a) 50 cents times the acreage classified as cropland.
- (b) The county rate per acre times the acreage classified as noncrop open pasture.
- (c) \$1.00 times the acreage classified as commercial orchards.

B. CONSERVATION PRACTICES

The practices available for 1945 are those which are most needed in order to conserve and improve soil fertility, improve pasture land, prevent wind and water erosion, and promote conservation and better utilization of water. Assistance will be available through the conservation practice allowance for carrying out the following practices during the program year January 1, 1945, through December 31, 1945. To qualify for payment, each practice must be carried out in accordance with the specifications for that practice and be in keeping with good farming practices for the locality.

The total extent of any practice performed shall be reduced for purposes of payment by the percentage of the total cost of the practice which the county committee determines was furnished by a State or Federal agency. The extent of any practice shall not be reduced because a portion of the cost is represented by materials or services

furnished by the A. A. A., or equipment furnished by S. C. S., or materials or services furnished by an agency of a State or political subdivision thereof to another agency or political subdivision of the same State, or trees purchased from a Clark-McNary Cooperative State Nursery.

All **special practices** listed under this section are designated by asterisks (**). Practices not designated as special practices will be considered as **regular practices**:

(1) ****Contouring intertilled crops.**—Contour farming of intertilled crops provided the crop stubble is left standing or a good stand of a winter cover crop is obtained. Credit will not be given for this practice on land which has a slope of less than 2 percent. If there is danger of erosion in waterways, such waterways must be permanently established in sod. No credit will be given for this practice for any acreage qualifying under the Contour Stripcropping practices.—**\$1.50 per acre.**

(2) ****Contour seeding.**—Contour seeding of small grain crops, sorghums, millet, and soybeans. All operations in connection with the seeding **must** be on the contour. If there is danger of erosion in waterways, such waterways must be permanently established in sod. No credit will be given for this practice for any acreage qualifying under the Contour Stripcropping practices.—**\$0.50 per acre.**

(3) ****Establishing contour stripcropping.**—By growing alternate strips of intertilled crops with sown, close-drilled, or sod crops, on the contour: *Provided*, (1) The strips are approximately the same width; (2) the strips are not less than 3 rods nor more than 10 rods in width; and (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained. Buffer strips must be at least 1 rod in width.—**\$2.50 per acre.**

(4) **Maintaining contour stripcropping.**—Maintaining contour stripcropping previously established, by growing alternate strips of intertilled crops with sown, close-drilled, or sod crops, on the contour: *Provided*, (1) The strips are approximately the same width; (2) the strips are not less than 3 rods nor more than 10 rods in width; and (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained. When in the normal course of crop rotation it is necessary to have two adjacent strips of sown, close-drilled, or sod crops, payment will be made for the entire field. Buffer strips must be at least 1 rod in width.—**\$1 per acre.**

(5) **Field stripcropping to control wind erosion.**—By growing alternate strips of intertilled crops with sown, close-drilled, or sod crops: *Provided*, (1) The strips are approximately parallel and are laid out at right angles to the prevailing winds or in a continuous S so that winds cannot blow parallel to the rows of crops; (2) the strips are not less than 3 rods nor more than 20 rods in width; and (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained. Buffer strips must be at least 1 rod in width.—**\$0.50 per acre.**

(6) **Standard terraces.**—With the prior approval of the county committee, construction of standard terraces for which proper outlets are provided. The terraces should be constructed to conform with specifications for standard terraces for the area as recommended in Circular 513, University of Illinois.—**\$1 per 100 lin. ft.**

(7) **Establishing sod waterways.**—Establishing a permanent sod waterway on any cropland where a permanent vegetative cover is necessary in a waterway channel or terrace outlet, or in cultivated orchards. The channel of the waterway must be sufficiently wide to carry the run-off from the drainage area and must be at least 1 rod in width at the narrowest point. The channel must contain perennial grasses and a good vegetative growth must be obtained.—\$0.75 per 1,000 sq. ft.

(8) **Maintaining sod waterways.**—Maintaining an established sod waterway at least 1 rod wide at the narrowest point in a field which is devoted to intertilled crops or grain crops, by lifting the plow when the waterway is crossed, mowing, sodding or reseeding breaks in the sod, protecting from damage by livestock, and by use of other practices necessary to maintain a good vegetative cover. No credit will be given for this practice for any waterway for which credit is given under Practice (7).—\$0.25 per 1,000 sq. ft.

(9) ****Pasture improvement.**—With prior approval of the county committee improving pasture on land **designated as noncrop open pasture land** by carrying out all of the following operations. Credit will not be given for more than 20 acres per farm.—\$4 per acre.

(a) Application of the necessary amounts of liming materials or fertilizers, as determined by the county committee. Credit for the application of liming materials or fertilizer will be given under Practices (23) or (24).

(b) Tearing up the sod by use of a disk or a similar tool in such a manner as to mix the needed lime or fertilizer into the soil and to provide a seedbed for the new seeding.

(c) Making a seeding of not less than 15 pounds of a pasture mixture of adapted legumes and grasses. At least 50 percent of the mixture must consist of perennial or biennial legumes.

(d) Delaying grazing until the new seedling has made a good growth, controlling grazing during the remainder of the season, and removing livestock early enough in the fall to permit the grasses and legumes to make a good growth before winter.

(e) Mowing weeds, if necessary, a sufficient number of times to prevent seed formation and to control growth. Credit for mowing will be given under Practice (10).

(10) **Mowing weeds.**—Mowing weeds on pasture land a sufficient number of times during the growing season to prevent weed seed formation and improve the stand of grasses or legumes, and by carrying out such other pasture improvements practices as the county committee may require. No hay or seed crop may be taken from the acreage.—\$0.50 per mowing per acre.

(11) **Dams and ponds for livestock water.**—With prior approval of the county committee, construction of earthen, or masonry dams and ponds for the purpose of providing water for livestock. Earthen dams must be constructed with minimum slopes of 3 to 1 on the upstream side and 2 to 1 on the downstream side. Dams of 10 feet or less in height must have a minimum free board of 3 feet. Dams over 10 feet in height must have a minimum free board of 4 feet. Spillways must be of sufficient width to carry the expected overflow from the drainage area. The pond must be fenced to exclude livestock and the water must be piped out to a tank, or where this is impracticable, a small arm of the pond may be permitted to extend beyond the fenced area, or chutes or other means of making water available to livestock may be approved by the county committee pro-

vided such methods do not permit access of the livestock to the pond proper.

- (a) For earth or other material moved for each development:
Not over 2,000 cu. yds.—\$0.15 per cu. yd.
In excess of 2,000 cu. yds.—\$0.10 per cu. yd.
- (b) For concrete or masonry.—\$9 per cu. yd.
- (c) For rubble masonry.—\$6 per cu. yd.

(12) **Go-down crops** (applicable only in commercial orchards).—Protecting the soil from wind and water erosion by the use of go-down crops; *Provided*, A good vegetative growth is obtained and the crop is not pastured or harvested for grain, hay, seed, or forage, or otherwise taken from the land. The following crops will qualify under this practice: Sudan grass, millet, buckwheat, sweet sorghums, oats, barley, rye, wheat, or mixtures of any of these crops. Lespedeza seeded in the spring of 1945, soybeans or cowpeas.—\$1.50 per acre.

(13) **Green manure crops**.—Disking or plowing under a good stand and a good growth of the following crops. If the land is subject to erosion and the green manure crop is plowed down in the fall, the land must be protected by a winter cover crop.—\$1.50 per acre:

- (a) Sweet clover.
- (b) Red clover turned under in the fall of 1945.
- (c) Cowpeas.
- (d) Lespedeza seeded in the spring of 1945, turned under in the fall, and followed by a winter cover crop.
- (e) 1944 fall seedings of winter rye.

(14) **Green manure crops in commercial orchards**.—Turning under a good stand and a good growth of the following crops where such crops can be disked down or plowed under without promoting soil erosion. If the land is subject to erosion and the green manure crop is plowed down in the fall, the land must be protected by a winter cover crop.—\$1.50 per acre:

- (a) Rye, wheat, and oats.
- (b) Sweet clover, cowpeas, and soybeans.
- (c) Red clover and alsike turned under in the fall.
- (d) Lespedeza seeded in the spring of 1945, turned under in the fall, and followed by a winter cover crop.

(15) **Green manure crops on commercial vegetable land**.—Turning under a good stand and a good growth of oats, rye, or barley on land devoted to the production of commercial vegetables during 1945. If the land is subject to erosion and the green manure crop is plowed down in the fall, the land must be protected by a winter cover crop.—\$1.50 per acre.

(16) **Harvesting hayseed**.—Harvesting for seed an acreage of alfalfa, red clover, alsike, white clover, sweet clover, and brome grass. Credit will not be given for more than 25 acres per farm.—\$3.50 per acre.

(17) **Weed control**.—With prior approval of the county committee, eradication or effective control of seriously infested plots of **Canada thistle**, or **bindweed**. Payment for this practice may be approved only on farms where approved weed control measures are being carried out on all adjacent infested farms and contiguous land, where the infestation is limited to a single farm, or where the county com-

mittee determines that there is no likelihood of reinfestation from adjacent or contiguous land.

- (a) By use of sodium chlorate or other chemicals.—\$0.10 per lb.
- (b) By clean tillage.—\$10 per acre.

(18) **Farm ditches.**—With prior approval of the county committee, construction or cleaning out of farm ditches (except ditches constructed or maintained by a drainage district), including lateral and lead ditches, for which proper outlets are provided and adequate provision is made for entrance of water into and out of the ditches. An engineer's survey of grade and cross sections and a map of the area showing the ditches may be used to determine whether specifications have been met. When practice allowances are pooled under an approved pooling agreement, the \$5.00 per 100 linear feet limitation will be removed.—\$0.08 per cu. yd. and not to exceed \$5 per 100 lin. ft.

(19) **Ditches for tile drainage.**—With prior approval of the county committee, excavation for the purpose of installation of tile drains, *Provided*, The size of tile, outlets and gradient meet the specifications for standard drainage published by the U. S. Department of Agriculture, and the tile lines shall be used only for the draining of agricultural land. An engineers survey showing grades of tile lines and a map showing location may be used to determine whether specifications have been met.—\$0.40 per rod.

(20) **Tree planting.**—Prior approval of the site and of the variety of the tree must be obtained from the county committee. The plantings must be made in accordance with good tree culture, and protected from fire and grazing. The following varieties of trees may be approved for payment provided they are adapted to the particular soil type, climatic conditions, moisture conditions, and site: Shortleaf pine, eastern red cedar, walnut, butternut, mockernut hickory, shagbark hickory, white oak, red oak, black oak, tulip poplar, green ash, white ash, red gum, Virginia pine, yellow poplar, black walnut, black locust, sugar maple, hardy catalpa, and other hardwoods approved by the State Foresters.

- (a) Planting for forest purposes or gully control.—\$1 per 100 trees but not in excess of \$7.50 per acre.
- (b) Planting for windbreaks.—\$2 per 100 trees.

(21) **Tree maintenance.**—Maintaining for forest purposes a good stand of at least 500 trees per acre, or for windbreak purposes, a stand of at least 250 trees per acre, which have been planted between Jan. 1, 1940 and Jan. 1, 1945, by cultivating sufficiently to control other vegetation, protecting from fire and grazing, and replanting if necessary.—\$3 per acre.

(22) **Mulching materials.**—Application of straw in commercial orchards, in vineyards, on commercial vegetable land, on potato land, or on strawberries or other small fruit.—\$4 per ton.

(23) **Liming materials** (credit rates are contained in NCR-901-Ill., Suppl. I).—Application of the following materials:

- (a) One ton of agricultural ground limestone containing at least 80 percent calcium carbonate equivalent, and ground sufficiently fine so that 80 percent, including all of the finer particles obtained in the grinding process, will pass through an 8-mesh sieve. The moisture content at the time of

shipment must not exceed 8 percent. The specifications for calcium carbonate content and percent of material passing through an 8-mesh sieve must be such that the multiplication of these specifications will be equal to or in excess of 0.7200. If the ground limestone will not qualify with respect to either fineness or calcium carbonate content, or both, the county committee must require a correspondingly greater amount of material.

(b) **One ton of byproduct of lead mines** with the lead separated by the watertable method and the sludge ground so that 90 percent will pass through an 8-mesh sieve and the product must contain a minimum of 80 percent calcium carbonate.

(c) **One ton of #2 limestone** containing calcium and magnesium carbonate equivalent to not less than 65 percent of calcium carbonate.

(d) **One ton of calcium carbide refuse lime** containing at least 80 percent of calcium carbonate and testing not more than 35 percent moisture at the shipping point. A correspondingly greater amount of material must be required if the material does not meet the specifications.

(e) **One cubic yard of marl.**

(f) **One ton of blast furnace slag.**

(g) **One cubic yard of sugar beet refuse lime.**

(h) **One cubic yard of water-softening process lime.**

(i) **One ton of commercial burnt lime.**

(j) **One ton of hydrated lime.**

(24) **Fertilizers.**—Application of **superphosphate, rock phosphate, colloidal phosphate, or potash**, when such material is applied (1) to **new seedings** of biennial or perennial legumes, perennial grasses, winter legumes, lespedeza, or permanent pasture (no credit will be given for materials furnished by the Agricultural Adjustment Agency applied to a seeding if wheat is used as a nurse crop); (2) to **old stands** of biennial and perennial legumes, perennial grasses or permanent pasture, provided the acreage on which such applications are made is not devoted to, cultivated for, or plowed for any other crop during the program year; and (3) to **green manure crops** in orchards.

(a) Application of superphosphate or defluorinated phosphate rock.—**\$4.75 per 100 lbs. of available P_2O_5 .**

(b) Application of rock phosphate or colloidal phosphate.—**\$0.55 per 100 lbs.**

(c) Application of potash.—**\$3.25 per 100 lbs. of available K_2O .**

(d) 100 lbs. of 0-9-27	\$1.30	(n) 100 lbs. of 2-12-6	\$0.75
(e) 100 lbs. of 0-10-20	1.10	(o) 100 lbs. of 2-16-8	1.00
(f) 100 lbs. of 0-12-12	.95	(p) 100 lbs. of 3-9-18	1.00
(g) 100 lbs. of 0-14-7	.90	(q) 100 lbs. of 3-12-12	.95
(h) 100 lbs. of 0-14-14	1.10	(r) 100 lbs. of 3-18-9	1.15
(i) 100 lbs. of 0-18-0	.85	(s) 100 lbs. of 4-10-6	.65
(j) 100 lbs. of 0-19-0	.90	(t) 100 lbs. of 4-16-0	.75
(k) 100 lbs. of 0-20-0	.95	(u) 100 lbs. of 8-8-8	.65
(l) 100 lbs. of 0-20-10	1.25	(v) 100 lbs. of 10-6-4	.40
(m) 100 lbs. of 0-20-20	1.60		

C. DEFINITIONS

(1) **Farm.**—Farm means all adjacent or nearby farm land under the same ownership which is operated by one person, including also:

(a) Any other adjacent or nearby farm land which the county committee, in accordance with instructions issued by the Agricultural Adjustment Agency, determines is operated by the same person as part of the same unit with respect to the rotation of crops and with workstock, farm machinery, and labor substantially separate from that for any other lands; and

(b) Any field-rented tract (whether operated by the same or another person) which, together with any other land included in the farm, constitutes a unit with respect to the rotation of crops.

(c) A farm shall be regarded as located in the county in which the principal dwelling is situated, or if there is no dwelling thereon, it shall be regarded as located in the county in which the major portion of the farm is located.

(2) **Cropland.**—Cropland means farm land which in 1944 was tilled or was in regular rotation, excluding any land which constitutes, or will constitute if such tillage is continued, a wind-erosion hazard to the community, and excluding also any land in commercial orchards.

(3) **Noncrop open pasture land.**—Noncrop open pasture land means pasture land (other than rotation pasture land) on which the predominant growth is forage suitable for grazing and on which the number or grouping of any trees or shrubs is such that the land could not fairly be considered as woodland.

(4) **Commercial orchards.**—Commercial orchards means the acreage on the farm in planted or cultivated fruit trees, nut trees, vineyards, hops, or bush fruits (excluding nonbearing orchards and vineyards), from which the major portion of the production is normally sold.

(5) **Person.**—Person means an individual, partnership, association, corporation, estate, or trust, or other business enterprise or other legal entity, and, wherever applicable, a State, a political subdivision of a State, or any agency thereof.

(6) **Producer.**—Producer means any person who as landlord, tenant, or sharecropper, participates in the operation of a farm.

D. NONCROP OPEN PASTURE RATES TO BE USED IN COMPUTING FARM ALLOWANCES

County :	Rate per acre (cents)	County :	Rate per acre (cents)	County :	Rate per acre (cents)
Adams	19	Gallatin	14	Macoupin	18
Alexander	16	Greene	16	Madison	18
Bond	17	Grundy	21	Marion	16
Boone	20	Hamilton	15	Marshall	20
Brown	18	Hancock	20	Mason	16
Bureau	19	Hardin	11	Massac	13
Calhoun	17	Henderson	15	Menard	19
Carroll	19	Henry	18	Mercer	19
Cass	18	Iroquois	20	Monroe	18
Champaign	24	Jackson	14	Montgomery	18
Christian	22	Jasper	17	Morgan	18
Clark	17	Jefferson	17	Moultrie	23
Clay	16	Jersey	17	Ogle	20
Clinton	18	Jo Daviess	18	Peoria	19
Coles	22	Johnson	11	Perry	17
Cook	19	Kane	19	Piatt	24
Crawford	18	Kankakee	16	Pike	18
Cumberland	17	Kendall	22	Pope	12
De Kalb	22	Knox	19	Pulaski	16
De Witt	22	Lake	18	Putnam	21
Douglas	24	La Salle	22	Randolph	17
Du Page	20	Lawrence	17	Richland	16
Edgar	21	Lee	20	Rock Island	17
Edwards	16	Livingston	19	St. Clair	19
Effingham	17	Logan	23	Saline	15
Fayette	17	McDonough	22	Sangamon	22
Ford	23	McHenry	17	Schuyler	19
Franklin	18	McLean	22	Scott	18
Fulton	19	Macon	22	Shelby	21

County :	Rate per acre (cents)	County :	Rate per acre (cents)	County :	Rate per acre (cents)
Stephenson -----	21	Wabash -----	19	Whiteside -----	17
Stark -----	20	Warren -----	22	Will -----	20
Tazewell -----	19	Washington -----	18	Williamson -----	16
Union -----	14	Wayne -----	15	Winnebago -----	19
Vermillion -----	22	White -----	17	Woodford -----	21

E. POOLING OF PRACTICE ALLOWANCE

Producers in any local area may agree in writing, with the approval of the State Committee, to combine all or any part of their farm allowances for the performance of practice No. (18), Farm Ditches, provided their farms are benefited by the construction of the ditches. For purposes of payment, the practice carried out under an approved written pooling agreement will be regarded as having been carried out on the farms of the producers who performed the practice.

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UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL ADJUSTMENT AGENCY
WASHINGTON, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

NORTH CENTRAL REGION

SUPPLEMENT 1 TO ILLINOIS COMMITTEEMAN'S PRACTICE
HANDBOOK

1945 CREDIT RATES FOR LIMING MATERIALS—ILLINOIS

Following are the materials for which the credit rates are the same throughout the State:

Type of material	Credit rate
Calcium carbide refuse lime	\$1.40 per ton.
Water-softening process lime	\$0.70 per cu. yd.
Blast furnace slag	\$1.40 per ton.
Marl	\$0.90 per cu. yd.
Hydrated lime	\$4.00 per ton.
Sugar beet refuse lime	\$0.70 per cu. yd.
Commercial burnt lime	\$4.00 per ton.

The following are the credit rates per ton for the other liming materials for which credit will be given in your county:

ADAMS COUNTY

ALEXANDER COUNTY—Cont.

Township	Lime-stone
Beverly	\$2. 00
Burton	1. 80
Camp Point	1. 90
Clayton	2. 00
Columbus	1. 90
Concord	2. 00
Ellington	1. 70
Fall Creek	1. 80
Gilmer	1. 80
Honey Creek	1. 90
Houston	2. 00
Keene	1. 90
Liberty	1. 90
Lima	2. 00
McKee	2. 10
Melrose	1. 70
Mendon	1. 80
North East	2. 00
Payson	1. 90
Richfield	1. 90
Riverside	1. 70
Ursa	1. 80

Township	Lime-stone
East Cape Girardeau	\$2. 00
Elco	1. 50
Lake Milligan	2. 00
McClure	1. 80
Miller	1. 80
Olive Branch	1. 70
Sandusky	1. 60
Santa Fe	1. 80
Tamms	1. 50
Thebes	1. 90
Unity	1. 60

BOND COUNTY

Township	Lime-stone	Lead mine refuse
Burgess	\$2. 00	\$1. 90
Central	2. 10	2. 00
Lagrange	2. 10	2. 00
Mills	2. 10	2. 00
Mulberry Grove	2. 10	2. 00
Old Ripley	2. 10	2. 00
Pleasant Mound	2. 10	2. 00
Shoal Creek	2. 10	2. 00
Tamalco	2. 20	2. 00

ALEXANDER COUNTY

Township	Lime-stone
Beech Ridge	\$1. 90
Cache—Cairo	1. 90
Delta	1. 60

BOONE COUNTY

Township	Lime-stone
Belvidere	\$1. 40
Bonus	1. 30
Boone	1. 20
Caledonia	1. 20
Flora	1. 40
LeRoy	1. 30
Manchester	1. 20
Poplar Grove	1. 20
Spring	1. 30

BROWN COUNTY

Buckhorn	\$2. 30
Cooperstown	2. 10
Elk Horn	2. 10
Lee	2. 30
Missouri	2. 30
Mt. Sterling	2. 30
Pea Ridge	2. 20
Ripley	2. 30
Versailles	2. 10

BUREAU COUNTY

Township	Lime-stone	No. 2 lime-stone
Arispie	\$1. 90	
Berlin	1. 80	
Bureau	1. 80	
Clarion	1. 70	
Concord	2. 00	
Dover	1. 80	
Fairfield	2. 00	
Gold	2. 00	
Greenville	2. 00	
Hall	1. 30	
Indiantown	1. 90	
LaMoille	1. 80	
Leepertown	1. 60	
Macon	2. 10	\$1. 50
Manlius	2. 00	
Milo	1. 90	1. 50
Mineral	2. 10	
Neponset	2. 20	
Ohio	1. 80	
Princeton	1. 80	
Selby	1. 40	
Walnut	1. 80	
Westfield	1. 40	
Wheatland	1. 80	
Wyand	1. 90	

CALHOUN COUNTY

Township	Lime-stone
Bellevue	\$2. 10
Carlin	1. 90
Crater	1. 80
Gilead	1. 80
Hamburg	1. 90
Hardin	1. 80
Point	1. 80
Richwood	1. 80

CARROLL COUNTY

Cherry Grove	\$1. 40
Elkhorn Grove	1. 30
Fairhaven	1. 70
Freedom	1. 40
Lima	1. 40
Mt. Carroll	1. 60
Rock Creek	1. 40
Salem	1. 59
Savanna	1. 70
Shannon	1. 40
Washington	1. 70
Woodland	1. 40
Wysox	1. 50
York	1. 50

CASS COUNTY

Arensville	\$2. 40
Ashland	2. 50
Beardstown	2. 10
Bluff Springs	2. 30
Chandlerville	2. 50
Hagener	2. 40
Newmansville	2. 40
Panther Creek	2. 50
Philadelphia	2. 40
Sangamon Valley	2. 40
Virginia	2. 40

CHAMPAIGN COUNTY

Ayers	\$1. 50
Brown	1. 70
Champaign	1. 70
Colfax	1. 90
Compromise	1. 70
Condit	1. 70
Crittenden	1. 70
East Bend	1. 70
Harwood	1. 70
Hensley	1. 70

CHAMPAIGN COUNTY—Continued

Township	Lime-stone
Kerr.....	\$1. 70
Ludlow.....	1. 70
Mahomet.....	1. 90
Newcomb.....	1. 70
Ogden.....	1. 60
Pesotum.....	1. 80
Philo.....	1. 60
Rantoul.....	1. 70
Raymond.....	1. 60
Sadorus.....	1. 90
St. Joseph.....	1. 60
Scott.....	1. 80
Sidney.....	1. 50
Somer.....	1. 70
South Homer.....	1. 50
Stanton.....	1. 70
Tolono.....	1. 70
Urbana.....	1. 60

CHRISTIAN COUNTY

Township	Lime-stone	Lead mine refuse
Assumption.....	\$2. 20	\$2. 10
Bear Creek.....	2. 10	2. 00
Buckhart.....	2. 00	1. 90
Greenwood.....	2. 10	2. 00
Johnson.....	2. 20	2. 10
King.....	2. 10	2. 00
Locust.....	2. 30	2. 20
May.....	2. 20	2. 10
Mosquito.....	2. 20	2. 10
Mt. Auburn.....	2. 20	2. 10
Pana.....	2. 20	2. 10
Prairieton.....	2. 10	2. 00
Ricks.....	2. 10	2. 00
Rosemond.....	2. 20	2. 10
South Fork.....	2. 20	2. 10
Stonington.....	2. 20	2. 10
Taylorville.....	2. 20	2. 10

CLARK COUNTY

Township	Lime-stone
Anderson.....	\$1. 90
Auburn.....	1. 90
Casey.....	1. 80
Darwin.....	1. 70
Dolson.....	1. 80
Douglas.....	1. 80
Johnson.....	1. 90
Marshall.....	1. 70
Martinsville.....	1. 90
Melrose.....	1. 90
Orange.....	2. 00

CLARK COUNTY—Continued

Township	Lime-stone
Parker.....	\$2. 00
Wabash.....	1. 80
Westfield.....	1. 80
York.....	1. 80

CLAY COUNTY

Township	Lime-stone	Lead mine refuse
Bible Grove.....	\$2. 30	\$2. 10
Blair.....	2. 30	2. 10
Clay City.....	2. 20	2. 00
Harter.....	2. 10	1. 90
Hoosier.....	2. 30	2. 10
Larkinsburg.....	2. 30	2. 10
Louisville.....	2. 20	2. 00
Oskaloosa.....	2. 20	2. 00
Pixley.....	2. 30	2. 10
Songer.....	2. 20	2. 00
Stanford.....	2. 20	2. 00
Xenia.....	2. 10	1. 90

CLINTON COUNTY

Township	Lime-stone	Lead mine refuse
Breese.....	\$2. 00	\$1. 90
Brookside.....	2. 20	1. 70
Carlyle.....	2. 10	2. 00
Clement.....	2. 10	2. 00
East Fork.....	2. 30	2. 20
Germantown.....	2. 00	1. 90
Irishtown.....	2. 10	2. 00
Lake.....	2. 10	1. 80
Looking Glass.....	1. 90	1. 80
Meridian.....	2. 20	1. 80
St. Rose.....	1. 90	1. 80
Santa Fe.....	2. 10	2. 00
Sugar Creek.....	1. 90	1. 80
Wade.....	2. 10	2. 00
Wheatfield.....	2. 00	1. 90

COLES COUNTY

Township	Lime-stone
Ashmore.....	\$1. 80
Charleston.....	1. 80
East Oakland.....	1. 80
Humboldt.....	1. 80
Hutton.....	2. 10
Lafayette.....	2. 00
Mattoon.....	2. 10
Morgan.....	2. 00
North Okaw.....	2. 10
Paradise.....	2. 20

COLES COUNTY—Continued

Township	Lime-stone
Pleasant Grove.....	\$2. 10
Seven Hickory.....	2. 00

COOK COUNTY

Barrington.....	\$1. 70
Bloom.....	1. 40
Bremen.....	1. 30
Calumet.....	1. 50
Elk Grove.....	1. 20
Hanover.....	1. 40
Lemont.....	1. 40
Leyden.....	1. 20
Lyons.....	1. 40
Maine.....	1. 30
New Trier.....	1. 40
Niles.....	1. 20
North Field.....	1. 40
Norwood Park.....	1. 20
Orland.....	1. 40
Palatine.....	1. 50
Palos.....	1. 40
Proviso.....	1. 30
Rich.....	1. 40
Schaumburg.....	1. 60
Stickney.....	1. 40
Thornton.....	1. 30
Wheeling.....	1. 40
Worth.....	1. 40

CRAWFORD COUNTY

Honey Creek.....	\$2. 30
Hutsonville.....	2. 20
Lamotte.....	2. 30
Licking.....	2. 00
Martin.....	2. 30
Montgomery.....	2. 50
Oblong.....	2. 30
Prairie.....	2. 10
Robinson.....	2. 30
Southwest.....	2. 30

CUMBERLAND COUNTY

Cottonwood.....	\$1. 90
Crooked Creek.....	1. 70
Greenup.....	1. 80
Neoga.....	2. 20
Spring Point.....	2. 20
Sumpter.....	1. 90
Union.....	1. 80
Woodbury.....	2. 00

DE KALB COUNTY

Township	Lime-stone
Afton.....	\$1. 80
Clinton.....	1. 80
Cortland.....	1. 90
DeKalb.....	1. 90
Franklin.....	1. 30
Genoa.....	1. 60
Kingston.....	1. 50
Malta.....	1. 70
Mayfield.....	1. 80
Milan.....	1. 50
Paw Paw.....	1. 50
Pierce.....	1. 90
Sandwich.....	1. 70
Shabbona.....	1. 40
Somonauk.....	1. 80
South Grove.....	1. 50
Squaw Grove.....	1. 80
Sycamore.....	1. 80
Victor.....	1. 80

DE WITT COUNTY

Barnett.....	\$1. 80
Clintonia.....	1. 70
Creek.....	1. 80
DeWitt.....	1. 70
Harp.....	1. 70
Nixon.....	1. 80
Rutledge.....	1. 70
Santa Anna.....	1. 70
Texas.....	1. 80
Tunbridge.....	1. 80
Wapella.....	1. 70
Waynesville.....	1. 80
Wilson.....	1. 70

DOUGLAS COUNTY

Arcola.....	\$2. 00
Bourbon.....	2. 00
Bowdre.....	1. 90
Camargo.....	2. 00
Garrett.....	2. 10
Murdock.....	1. 80
Newman.....	1. 80
Sargent.....	1. 80
Tuscola.....	2. 00

DU PAGE COUNTY

Addison.....	\$1. 30
Bloomington.....	1. 40
Downers Grove.....	1. 30
Lisle.....	1. 40
Milton.....	1. 30

DU PAGE COUNTY—Continued

Township	Lime-stone
Naperville.....	\$1. 40
Wayne.....	1. 50
Winfield.....	1. 40
York.....	1. 30

EDGAR COUNTY

Brouillets Creek.....	\$2. 20
Buck.....	2. 00
Edgar.....	2. 10
Elbridge.....	1. 80
Embarrass.....	2. 00
Grandview.....	1. 90
Hunter.....	2. 10
Kansas.....	1. 80
Paris.....	2. 10
Prairie.....	2. 10
Ross.....	1. 90
Shiloh.....	2. 00
Stratton.....	2. 10
Symmes.....	1. 80
Young America.....	1. 80

EDWARDS COUNTY

Township	Lime-stone	Lead mine refuse
Albion.....	\$2. 00	\$1. 80
Bone Gap.....	2. 20	2. 00
Browns.....	2. 10	2. 00
Dixon.....	2. 10	2. 00
Ellery.....	2. 10	2. 00
French Creek.....	2. 10	2. 00
Salem.....	2. 20	2. 10
Shelby.....	2. 10	2. 00

EFFINGHAM COUNTY

Banner.....	\$2. 20	\$2. 10
Bishop.....	2. 10	2. 00
Douglas.....	2. 00	1. 90
Jackson.....	2. 20	2. 10
Liberty.....	2. 20	2. 10
Lucas.....	2. 30	2. 20
Mason.....	2. 10	2. 00
Moccasin.....	2. 20	2. 10
Mound.....	2. 00	1. 90
St. Francis-Teutopolis.....	2. 00	1. 90
Summit.....	2. 20	2. 10
Union.....	2. 20	2. 10
Watson.....	2. 10	2. 00
West.....	2. 00	1. 90

FAYETTE COUNTY

Township	Lime-stone	Lead mine refuse
Avena.....	\$2. 20	\$1. 90
Bear Grove.....	2. 00	1. 80
Bowling Green.....	2. 20	2. 00
Carson.....	2. 30	2. 10
Hurricane.....	2. 30	2. 10
Kaskaskia.....	2. 10	1. 90
La Clede.....	2. 20	1. 90
Lone Grove.....	2. 30	1. 90
Louden.....	2. 30	1. 90
Otego.....	2. 00	1. 90
Pope.....	2. 30	2. 10
Ramsey.....	2. 20	2. 10
Sefton.....	2. 00	1. 90
Seminary.....	2. 20	1. 90
Shafter.....	2. 20	2. 00
Sharon.....	2. 20	1. 90
South Hurricane.....	2. 20	2. 10
Vandalia.....	2. 10	1. 90
Wheatland.....	2. 30	1. 90
Wilberton.....	2. 30	2. 10

FORD COUNTY

Township	Lime-stone
Brenton.....	\$1. 60
Button.....	1. 80
Dix.....	1. 90
Drummer.....	1. 90
Lyman.....	1. 60
Mona.....	1. 30
Patton.....	1. 80
Peach Orchard.....	1. 80
Pella.....	1. 40
Rogers.....	1. 20
Sullivant.....	1. 60
Wall.....	1. 70

FRANKLIN COUNTY

Township	Lime-stone	Lead mine refuse
Barren.....	\$1. 90	\$1. 70
Benton.....	1. 80	1. 60
Browning.....	1. 90	1. 60
Cave.....	1. 90	1. 70
Denning.....	2. 00	1. 80
Eastern.....	2. 00	1. 80
Ewing.....	1. 80	1. 60
Frankfort.....	1. 90	1. 80
Goode.....	2. 00	1. 70
Northern.....	2. 10	1. 90
Six Mile.....	1. 90	1. 60
Tyrone.....	1. 90	1. 70

FULTON COUNTY

Township	Lime-stone
Astoria	\$2. 40
Banner	2. 40
Bernadotte	2. 60
Buckheart	2. 40
Canton	2. 30
Cass	2. 50
Deerfield	2. 50
Ellisville	2. 50
Fairview	2. 40
Farmer	2. 40
Farmington	2. 40
Harris	2. 40
Isabel	2. 30
Joshua	2. 40
Kerton	2. 30
Lee	2. 30
Lewistown	2. 40
Liverpool	2. 40
Orion	2. 40
Pleasant	2. 50
Putman	2. 40
Union	2. 30
Vermont	2. 40
Waterford	2. 60
Woodland	2. 60
Young Hickory	2. 50

GALLATIN COUNTY

Township	Lime-stone
Asbury	\$2. 30
Bowlesville	2. 30
Eagle Creek	2. 10
Equality	2. 10
Gold Hill	2. 10
New Haven	2. 30
North Fork	2. 10
Omaha	2. 30
Ridgway	2. 00
Shawnee	2. 30

GREENE COUNTY

Township	Lime-stone
Athensville	\$2. 30
Bluffdale	1. 70
Carrollton	1. 80
Kane	1. 90
Linder	1. 90
Patterson	1. 90
Rockbridge	2. 10
Roodhouse	2. 10
Rubicon	2. 10
Walkerville	1. 80
White Hall	1. 80
Woodville	1. 80
Wrights	2. 00

GRUNDY COUNTY

Township	Lime-stone
Aux Sable	\$1. 30
Braceville	1. 40
Erienna	1. 50
Felix	1. 40
Garfield	1. 30
Goodfarm	1. 50
Goose Lake	1. 40
Greenfield	1. 30
Highland	1. 50
Maine	1. 50
Mazon	1. 50
Nettle Creek	1. 50
Norman	1. 70
Saratoga	1. 50
Vienna	1. 60
Wauponsee	1. 50

HAMILTON COUNTY

Township	Lime-stone	Lead mine refuse
Beaver Creek	\$2. 30	\$2. 10
Crook	2. 00	1. 90
Crouch	2. 00	1. 80
Dahlgren	2. 00	1. 90
Flannigan	2. 10	2. 00
Knight Prairie	1. 90	1. 80
McLeansboro	1. 80	1. 70
Mayberry	2. 10	1. 90
South Twigg	2. 20	2. 10
Twigg	1. 90	1. 80

HANCOCK COUNTY

Township	Lime-stone	No. 2 lime-stone
Appanoose	\$1. 70	\$1. 20
Augusta	2. 00	1. 20
Bear Creek	2. 10	1. 20
Carthage	2. 20	1. 20
Chili	2. 00	1. 20
Dallas-Pontoosuc	1. 80	1. 20
Durham	1. 80	1. 20
Fountain Green	2. 00	1. 20
Hancock	2. 10	1. 20
Harmony	2. 20	1. 20
La Harpe	2. 00	1. 20
Montebello	2. 10	1. 20
Pilot Grove	2. 10	1. 20
Prairie	2. 20	1. 20
Rock Creek	1. 80	1. 20
Rocky Run	1. 80	1. 20
St. Albans	1. 80	1. 20
St. Marys	2. 10	1. 20
Sonora-Nauvoo	1. 50	1. 20
Walker	1. 80	1. 20
Warsaw-Wilcox	2. 00	1. 20
Wythe	2. 00	1. 20

HARDIN COUNTY

Township	Lime-stone
Battery Rock.....	\$1. 70
Cave-in-Rock.....	1. 60
East Monroe.....	1. 70
East Rosiclare.....	1. 60
McFarlan.....	1. 70
Rock Creek.....	1. 70
West Monroe.....	1. 60
West Rosiclare.....	1. 60

HENDERSON COUNTY

Bald Bluff.....	\$1. 70
Biggsville.....	1. 60
Carman.....	1. 60
Gladstone.....	1. 50
Lomax.....	1. 50
Media.....	1. 90
Oquawka.....	1. 60
Raritan.....	1. 80
Rozetta.....	1. 80
Stronghurst.....	1. 80
Terre Haute.....	1. 60

HENRY COUNTY

Township	Lime-stone	No. 2 lime-stone
Alba.....	\$1. 90	\$1. 40
Andover.....	1. 60	1. 20
Annawan.....	2. 00	1. 50
Atkinson.....	1. 80	1. 30
Burns.....	1. 80	1. 30
Cambridge.....	1. 70	1. 20
Clover.....	1. 80	1. 30
Colona.....	1. 50	1. 10
Cornwall.....	1. 90	1. 40
Edford.....	1. 60	1. 20
Galva.....	1. 80	1. 20
Geneseo.....	1. 70	1. 20
Hanna.....	1. 50	1. 10
Kewanee.....	2. 00	1. 50
Loraine.....	1. 60	1. 20
Lynn.....	1. 50	1. 10
Munson.....	1. 70	1. 20
Oско.....	1. 60	1. 10
Oxford.....	1. 80	1. 30
Phenix.....	1. 50	1. 10
Weller.....	1. 80	1. 20
Western.....	1. 50	1. 10
Wethersfield.....	2. 00	1. 50
Yorktown.....	1. 70	1. 20

IROQUOIS COUNTY

Township	Lime-stone
Artesia.....	\$1. 40
Ash Grove.....	1. 50
Ashkum.....	1. 20
Beaver.....	1. 30
Beaverville.....	1. 30
Belmont.....	1. 40
Chebanse.....	1. 10
Concord.....	1. 30
Crescent.....	1. 30
Danforth.....	1. 30
Douglas.....	1. 30
Fountain Creek.....	1. 50
Iroquois.....	1. 30
Loda.....	1. 40
Lovejoy.....	1. 60
Martinton.....	1. 20
Middleport.....	1. 30
Milford.....	1. 40
Milks Grove.....	1. 10
Onarga.....	1. 30
Papineau.....	1. 20
Pigeon Grove.....	1. 60
Prairie Green.....	1. 60
Ridgeland.....	1. 40
Sheldon.....	1. 40
Stockland.....	1. 60

JACKSON COUNTY

Bradley.....	\$1. 60
Carbondale.....	1. 90
Degognia.....	1. 60
DeSoto.....	1. 90
Elk.....	2. 00
Fountain Bluff.....	1. 90
Grand Tower.....	1. 90
Kinkaid.....	1. 80
Levan.....	1. 90
Makanda.....	1. 90
Murphysboro.....	2. 00
Ora.....	1. 80
Pomona.....	1. 90
Sand Ridge.....	1. 90
Somerset.....	2. 00
Vergennes.....	1. 90

JASPER COUNTY

Crooked Creek.....	\$1. 80
Fox.....	2. 10
Grandville.....	1. 80
Grove.....	2. 00
Hunt City.....	1. 90
North Muddy.....	2. 00
Ste. Marie.....	2. 00
Smallwood.....	2. 00
South Muddy.....	2. 10
Wade.....	2. 00
Willow Hill.....	2. 00

JEFFERSON COUNTY

Township	Lime- stone	Lead mine refuse
Bald Hill	\$2. 00	\$1. 90
Blissville	2. 00	1. 80
Casner	2. 10	1. 90
Dodds	2. 10	1. 90
Elk Prairie	2. 00	1. 80
Farrington	2. 20	2. 10
Field	2. 20	2. 10
Grand Prairie	2. 00	1. 90
McClellan	1. 90	1. 70
Moore's Prairie	2. 10	1. 90
Mount Vernon	2. 00	1. 90
Pendleton	2. 10	1. 90
Rome	2. 10	1. 90
Shiloh	2. 10	1. 90
Spring Garden	2. 20	2. 00
Webber	2. 00	1. 90

JERSEY COUNTY

Township	Lime- stone
Elsah	\$1. 70
English	1. 90
Fidelity	1. 90
Jersey	2. 00
Mississippi	1. 80
Otter Creek	1. 80
Piasa	1. 80
Quarry	1. 80
Richwood	1. 90
Rosedale	1. 90
Ruyle	2. 10

JO DAVIESS COUNTY

Apple River	\$1. 40
Berreman	1. 60
Council Hill	1. 50
Derinda	1. 60
Dunleith	1. 30
East Galena	1. 40
Elizabeth	1. 40
Guilford	1. 70
Hanover	1. 70
Menominee	1. 40
Nora	1. 30
Pleasant Valley	1. 50
Rawlins	1. 70
Rice	1. 50
Rush	1. 20
Scales Mound	1. 50
Stockton	1. 50
Thompson	1. 80
Vinegar Hill	1. 40
Wards Grove	1. 60
Warren	1. 40
West Galena	1. 80
Woodbine	1. 50

JOHNSON COUNTY

Township	Lime- stone
Bloomfield	\$1. 60
Burnside	1. 80
Cache	1. 40
Elvira	1. 40
Goreville	1. 60
Grantsburg	1. 70
Simpson	1. 70
Tunnel Hill	1. 80
Vienna	1. 60

KANE COUNTY

Aurora	\$1. 60
Big Rock	1. 70
Blackberry	1. 70
Burlington	1. 80
Campton	1. 60
Dundee	1. 50
Elgin	1. 50
Geneva—Batavia	1. 50
Hampshire	1. 60
Kaneville	1. 70
Plato	1. 90
Rutland	1. 70
St. Charles	1. 50
Sugar Grove	1. 80
Virgil	1. 80

KANKAKEE COUNTY

Aroma	\$1. 20
Bourbonnais	1. 20
Essex	1. 20
Ganeer	1. 20
Kankakee	1. 10
Limestone	1. 10
Manteno	1. 10
Momence	1. 30
Norton	1. 10
Otto	1. 10
Pembroke	1. 40
Pilot	1. 10
Rockville	1. 20
St. Anne	1. 40
Salina	1. 20
Sumner	1. 30
Yellowhead	1. 50

KENDALL COUNTY

Big Grove	\$1. 30
Bristol	1. 40
Fox	1. 50
Kendall	1. 30
Lisbon	1. 30
Little Rock	1. 60
Na-Au-Say	1. 50
Oswego	1. 60
Seward	1. 30

KNOX COUNTY

Township	Lime-stone
Cedar	\$1. 90
Chestnut	2. 20
Copley	2. 00
Elba	2. 00
Galesburg	1. 80
Haw Creek	2. 20
Henderson	1. 90
Indian Point	2. 00
Knox	2. 00
Lynn	1. 80
Maquon	2. 20
Ontario	1. 90
Orange	2. 00
Persifer	2. 10
Rio	1. 80
Salem	2. 20
Sparta	2. 00
Truro	2. 00
Victoria	2. 00
Walnut Grove	2. 00

LAKE COUNTY

Antioch	\$1. 90
Avon	1. 90
Benton	1. 90
Cuba	1. 90
Deerfield	1. 90
Ela	1. 90
Fremont	1. 90
Grant	1. 90
Lake Villa	1. 90
Libertyville	1. 90
Newport	1. 90
Shields	1. 90
Vernon	1. 90
Warren	1. 90
Wauconda	1. 90
Waukegan	1. 90
West Deerfield	1. 90

LA SALLE COUNTY

Adams	\$1. 80
Allen	1. 50
Brookfield	1. 60
Bruce	1. 60
Dayton	1. 50
Deer Park	1. 40
Dimmick	1. 30
Eagle	1. 60
Earl	1. 90
Eden	1. 50
Fall River	1. 50
Farm Ridge	1. 50
Freedom	1. 80
Grand Rapids	1. 60
Groveland	1. 50

LA SALLE COUNTY—Continued

Township	Lime-stone
Hope	\$1. 60
LaSalle	1. 30
Manlius	1. 70
Mendota	1. 90
Meriden	1. 90
Miller	1. 60
Mission	1. 30
Northville	1. 70
Ophir	1. 80
Osage	1. 60
Ottawa	1. 30
Otter Creek	1. 50
Peru	1. 30
Richland	1. 50
Rutland	1. 70
Serena	1. 50
South Ottawa	1. 50
Troy Grove	1. 50
Utica	1. 20
Vermilion	1. 50
Wallace	1. 40
Waltham	1. 30

LAWRENCE COUNTY

Allison	\$2. 20
Bond	2. 40
Christy-Bridgeport	2. 30
Dennison	2. 40
Lawrence	2. 30
Lukin	2. 40
Petty	2. 50
Russell	2. 30

LEE COUNTY

Alto	\$1. 20
Amboy	1. 20
Ashton	1. 50
Bradford	1. 30
Brooklyn	1. 70
China	1. 30
Dixon	1. 40
East Grove	1. 90
Hamilton	1. 80
Harmon	1. 50
Lee Center	1. 20
Marion	1. 50
May	1. 70
Nachusa	1. 40
Nelson	1. 20
Palmyra	1. 50
Reynolds	1. 20
South Dixon	1. 20
Sublette	1. 40
Viola	1. 50
Willow Creek	1. 50
Wyoming	1. 80

LIVINGSTON COUNTY

Township	Lime-stone
Amity	\$1. 10
Avoca	1. 30
Belle Prairie	1. 40
Broughton	1. 20
Charlotte	1. 40
Chatsworth	1. 60
Dwight	1. 20
Eppards Point	1. 10
Esmen	1. 10
Fayette	1. 60
Forrest	1. 40
Germanville	1. 70
Indian Grove	1. 30
Long Point	1. 40
Nebraska	1. 50
Nevada	1. 20
Newtown	1. 20
Odell	1. 10
Owego	1. 10
Pike	1. 20
Pleasant Ridge	1. 50
Pontiac	1. 00
Reading	1. 40
Rooks Creek	1. 00
Round Grove	1. 20
Saunemin	1. 20
Sullivan	1. 30
Sunbury	1. 20
Union	1. 30
Waldo	1. 30

LOGAN COUNTY

Aetna	\$2. 00
Atlanta	2. 00
Broadwell	1. 80
Chester	1. 80
Corwin	1. 80
East Lincoln	1. 80
Elkhart	1. 80
Eminence	2. 00
Hurlbut	1. 80
Laenna	2. 00
Lake Fork	2. 00
Mt. Pulaski	1. 90
Oran	2. 00
Orvil	2. 00
Prairie Creek	2. 00
Sheridan	1. 80
West Lincoln	1. 80

McDONOUGH COUNTY

Bethel	\$1. 80
Blandinsville	1. 70
Bushnell	2. 00
Chalmers	1. 60
Colchester	1. 60

McDONOUGH COUNTY—Continued

Township	Lime-stone
Eldorado	\$2. 00
Emmet	1. 70
Hire	1. 70
Industry	2. 00
Lamoine	1. 90
Macomb	1. 90
Mound	2. 10
New Salem	2. 00
Prairie City	2. 00
Sciota	1. 70
Scotland	1. 80
Tennessee	1. 60
Walnut Grove	1. 90

McHENRY COUNTY

Alden	\$1. 60
Algonquin	1. 60
Burton	2. 00
Chemung	1. 30
Coral	1. 30
Dorr	1. 70
Dunham	1. 20
Grafton	1. 40
Greenwood	1. 60
Hartland	1. 50
Hebron	1. 60
McHenry	1. 80
Marengo	1. 20
Nunda	1. 60
Richmond	2. 00
Riley	1. 20
Seneca	1. 30

McLEAN COUNTY

Allin	\$2. 00
Anchor	1. 70
Arrowsmith	1. 80
Bellflower	2. 00
Bloomington	1. 80
Blue Mound	1. 80
Cheney Grove	1. 90
Chenoa	1. 20
Cropsey	1. 80
Dale	1. 80
Danvers	2. 00
Dawson	2. 00
Downs	2. 10
Dry Grove	1. 70
Empire	2. 00
Funks Grove	2. 00
Gridley	1. 50
Hudson	1. 80
Lawndale	1. 60
Lexington	1. 60
Martin	1. 80
Money Creek	1. 80

McLEAN COUNTY—Continued

Township	Lime-stone
Mt. Hope	\$2. 10
Normal	1. 90
Old Town	1. 80
Randolph	1. 90
Towanda	1. 90
West	2. 00
White Oak	1. 80
Yates	1. 30

MACON COUNTY

Austin	\$1. 80
Blue Mound	1. 90
Decatur	1. 80
Friends Creek	1. 80
Harristown	1. 90
Hickory Point	1. 80
Illini	2. 00
Long Creek	2. 00
Maroa	1. 80
Milam	1. 80
Mt. Zion	1. 80
Niantic	1. 90
Oakley	1. 80
Pleasant View	2. 00
South Macon	1. 90
South Wheatland	1. 90
Whitmore	1. 80

MACOUPIN COUNTY

Township	Lime-stone	Lead mine refuse
Barr	\$2. 30	\$2. 20
Bird	2. 10	2. 00
Brighton	2. 00	1. 90
Brushy Mound	2. 10	2. 00
Bunker Hill	2. 10	2. 00
Cahokia	2. 10	2. 00
Carlinville	2. 10	2. 00
Chesterfield	2. 10	2. 00
Dorchester	2. 10	2. 00
Gillespie	2. 10	2. 00
Girard	2. 40	2. 30
Hilyard	2. 10	2. 00
Honey Point	2. 10	2. 00
Mt. Olive—Staunton	2. 10	2. 00
Nilwood	2. 30	2. 20
North Otter	2. 40	2. 30
North Palmyra	2. 40	2. 30
Polk	2. 10	2. 00
Scottville	2. 40	2. 30
Shaw Point	2. 10	2. 00
Shipman	2. 10	2. 00
South Otter	2. 30	2. 20
South Palmyra	2. 30	2. 20
Viriden	2. 40	2. 30
Western Mound	2. 20	2. 10

MADISON COUNTY

Township	Lime-stone
Alhambra	\$1. 80
Chouteau	1. 90
Collinsville	1. 80
Edwardsville	1. 80
Fort Russell	1. 80
Foster	1. 80
Godfrey	1. 70
Harmel	1. 80
Helvetia	2. 00
Jarvis	1. 80
Leef	1. 90
Marine	1. 80
Moro	1. 80
Nameoki	1. 80
New Douglas	1. 90
Olive	1. 90
Omphghent	1. 90
Pin Oak	1. 80
St. Jacob	1. 90
Saline	2. 00
Venice	1. 80
Wood River	1. 80

MARION COUNTY

Township	Lime-stone	Lead mine refuse
Alma	\$2. 30	\$1. 90
Carrigan	2. 30	2. 00
Centralia	2. 20	1. 70
Foster	2. 40	2. 20
Haines	2. 30	2. 00
Iuka	2. 20	2. 00
Kinmundy	2. 20	2. 00
Meacham	2. 20	2. 00
Odin-Sandoval	2. 10	1. 80
Omega	2. 30	2. 10
Potoka	2. 20	2. 00
Raccoon	2. 30	2. 10
Romine	2. 40	2. 20
Salem	2. 20	1. 60
Stevenson	2. 30	1. 80
Tonti	2. 30	1. 80

MARSHALL COUNTY

Township	Lime-stone	No. 2 lime-stone
Bell Plain	\$2. 00	-----
Bennington	1. 80	-----
Evans	1. 90	-----
Henry	2. 00	\$1. 50
Hopewell	2. 10	-----
Lacon	2. 10	-----
La Prairie	2. 20	1. 50
Richland	2. 00	-----
Roberts	1. 90	-----
Saratoga	2. 00	1. 40
Steuben	2. 00	1. 50
Whitefield	2. 10	1. 50

MASON COUNTY

Township	Lime-stone
Allen Grove	\$1. 90
Bath	2. 10
Crane Creek	2. 10
Forest City	2. 20
Havana	2. 00
Kilbourne	2. 20
Lynchburg	2. 30
Manito	2. 10
Mason City	2. 00
Pennsylvania	1. 90
Quiver	2. 20
Salt Creek	2. 00
Sherman	2. 00

MASSAC COUNTY

Benton	\$1. 80
Brooklyn	1. 70
George's Creek	1. 70
Grant	1. 80
Hillerman	1. 70
Jackson	1. 90
Lincoln	1. 70
Logan	1. 60
Washington	1. 80

MENARD COUNTY

Athens	\$2. 00
Atterbury	2. 20
Fancy Prairie	2. 00
Greenview	2. 00
Indian Creek	2. 00
Irish Grove	2. 00
Oakford	2. 20
Petersburg	2. 00
Rock Creek	2. 20
Sandridge	2. 20
Sugar Grove	1. 90
Tallula	2. 30

MERCER COUNTY

Abington	\$1. 90
Duncan	1. 60
Eliza	1. 80
Greene	1. 70
Keithsburg	1. 80
Mercer	1. 60
Millersburg	1. 80
New Boston	1. 80
North Henderson	1. 80
Ohio Grove	1. 90
Perryton	1. 50
Preemption	1. 60
Richland Grove	1. 70
Rivoli	1. 70
Suez	1. 80

MONROE COUNTY

Township	Lime-stone
Bluff	\$1. 10
Columbia	1. 20
Harrisonville	1. 10
Mitchie	1. 10
Moredock	1. 10
New Design	1. 20
New Hanover	1. 20
Prairie Du Long	1. 20
Renault	1. 10
Waterloo	1. 20

MONTGOMERY COUNTY

Township	Lime-stone	Lead mine refuse
Audubon	\$2. 10	\$2. 00
Bois d'Arc	2. 00	1. 90
Butler Grove	2. 00	1. 90
East Fork	2. 00	1. 90
Fillmore	2. 00	1. 90
Grisham	2. 00	1. 90
Harvel	2. 00	1. 90
Hillsboro	2. 10	2. 00
Irving	2. 10	2. 00
Nokomis	2. 10	2. 00
North Litchfield	1. 90	1. 80
Pitman	2. 00	1. 90
Raymond	2. 00	1. 90
Roundtree	2. 00	1. 90
South Fillmore	2. 00	1. 90
South Litchfield	1. 90	1. 80
Walshville	2. 00	1. 90
Witt	2. 00	1. 90
Zanesville	1. 90	1. 80

MORGAN COUNTY

Township	Lime stone
Alexander	\$2. 30
Arcadia	2. 40
Centerville	2. 40
Chapin	2. 40
Concord	2. 30
Franklin	2. 30
Jacksonville	2. 40
Literberry	2. 40
Lynnville	2. 40
Markham	2. 40
Meredosia	2. 30
Murrayville	2. 40
Nortonville	2. 40
Pisgah	2. 40
Prentice	2. 40
Sinclair	2. 40
Waverly	2. 40
Woodson	2. 40

MOULTRIE COUNTY

Township	Lime-stone
Dora	\$1. 80
East Nelson	1. 90
Jonathan Creek	1. 90
Lovington	1. 80
Lowe	1. 80
Marrowbone	1. 80
Sullivan	1. 80
Whitley	2. 00

OGLE COUNTY

Brookville	\$1. 50
Buffalo	1. 50
Byron	1. 30
Dement	1. 40
Eagle Point	1. 50
Flagg	1. 40
Forreston	1. 50
Grand Detour	1. 50
Lafayette	1. 40
Leaf River	1. 40
Lincoln	1. 50
Lynnville	1. 40
Marion	1. 30
Maryland	1. 30
Monroe	1. 40
Mount Morris	1. 40
Nashua	1. 40
Oregon	1. 50
Pine Creek	1. 30
Pine Rock	1. 30
Rockvale	1. 30
Scott	1. 40
Taylor	1. 30
White Rock	1. 30
Woosung	1. 50

PEORIA COUNTY

Township	Lime-stone	No. 2 lime-stone
Akron	\$1. 90	\$1. 20
Brimfield	2. 00	1. 40
Chillicothe	1. 70	1. 30
Elmwood	2. 00	1. 50
Hallock	1. 80	1. 40
Hollis	1. 80	1. 40
Jubilee	1. 80	1. 40
Kickapoo	1. 80	1. 40
Limestone	2. 00	1. 50
Logan	2. 00	1. 50
Medina	1. 80	1. 40
Millbrook	1. 90	1. 50
Princeville	1. 90	1. 40
Radnor	1. 80	1. 40
Richwoods	1. 80	1. 50

PEORIA COUNTY—Cont

Township	Lime-stone	No. 2 lime-stone
Rosefield	\$2. 00	\$1. 50
Timber	1. 90	1. 50
Trivoli	2. 10	1. 50

PERRY COUNTY

Township	Lime-stone	Lead mine refuse
4 - 1	\$1. 80	\$1. 50
4 - 2	1. 80	1. 50
4 - 3	1. 80	1. 50
4 - 4	1. 70	1. 40
5 - 1	1. 80	1. 50
5 - 2	1. 80	1. 50
5 - 3	1. 80	1. 50
5 - 4	1. 70	1. 40
6 - 1	1. 80	1. 50
6 - 2	1. 80	1. 50
6 - 3	1. 80	1. 50
6 - 4	1. 60	1. 40

PIATT COUNTY

Township	Lime-stone
Bement	\$1. 70
Blue Ridge	1. 70
Cerro Gordo	1. 80
Goose Creek	1. 80
Monticello	1. 70
Sangamon	1. 70
Unity	1. 80
Willow Branch	1. 80

PIKE COUNTY

Atlas	\$2. 30
Barry	2. 00
Chambersburg	2. 50
Cincinnati	2. 10
Derry	2. 30
Detroit	2. 00
Fairmount	2. 10
Flint	2. 10
Griggsville	2. 10
Hadley	2. 10
Hardin	2. 00
Kinderhook	2. 20
Levee	2. 20
Martinsburg	2. 10
Montezuma	1. 90
Newburg	2. 00

PIKE COUNTY—Continued

Township	Lime-stone
New Salem.....	\$2. 10
Pearl.....	1. 90
Perry.....	2. 30
Pittsfield.....	2. 10
Pleasant Hill.....	2. 30
Pleasant Vale.....	2. 10
Ross.....	2. 40
Spring Creek.....	2. 20

POPE COUNTY

Alexander.....	\$1. 80
Columbus.....	1. 60
Eddyville.....	1. 70
Golconda.....	1. 50
Grand Pier.....	1. 60
Jackson.....	2. 00
Jefferson.....	1. 90
Logan.....	1. 80
Monroe.....	1. 40
Polk.....	1. 90
Union.....	2. 10
Washington.....	1. 70
Webster.....	1. 70

PULASKI COUNTY

America.....	\$1. 80
Grand Chain.....	1. 40
Karnak.....	1. 40
Mound City.....	1. 80
Mounds.....	1. 80
Olmsted.....	1. 60
Perks.....	1. 40
Pulaski.....	1. 60
Ullin.....	1. 50
Villa Ridge.....	1. 70
Wetaug.....	1. 50

PUTNAM COUNTY

Granville.....	\$1. 80
Hennepin.....	2. 00
Magnolia.....	2. 00
Senachwine.....	2. 10

RANDOLPH COUNTY

Township	Lime-stone	No. 2 lime-stone	Lead mine refuse
Baldwin.....	\$1. 30	\$1. 00	\$1. 20
Blair.....	1. 30	1. 00	1. 00
Bremen.....	1. 30	1. 00	1. 00
Brewerville.....	1. 20	. 90	1. 00
Central.....	1. 40	1. 00	1. 00
Chester.....	1. 00	. 90	-----
Coulterville.....	1. 50	1. 10	1. 00

RANDOLPH COUNTY—Continued

Township	Lime-stone	No. 2 lime-stone	Lead mine refuse
Ellis Grove.....	\$1. 20	\$0. 90	\$1. 10
Evansville.....	1. 20	. 90	1. 00
Kaskaskia.....	1. 30	1. 00	-----
Palestine.....	1. 20	. 90	1. 10
Percy.....	1. 50	1. 10	1. 00
Prairie du Rocher.....	1. 10	. 80	-----
Redbud.....	1. 30	1. 00	1. 20
Rockwood.....	1. 40	1. 00	-----
Ruma.....	1. 20	. 90	-----
Sparta.....	1. 30	1. 00	1. 00
Steeleville.....	1. 50	1. 10	1. 00
Tilden.....	1. 50	1. 10	1. 20
Walsh.....	1. 30	1. 00	1. 00
Wine Hill.....	1. 50	1. 10	1. 10

RICHLAND COUNTY

Township	Lime-stone	Lead mine refuse
Bonpas.....	\$2. 10	\$2. 00
Claremont.....	2. 10	2. 00
Decker.....	2. 00	1. 90
Denver.....	2. 10	1. 90
German.....	2. 10	2. 00
Madison.....	2. 10	1. 90
Noble.....	2. 00	1. 90
Olney.....	2. 00	1. 90
Preston.....	2. 10	1. 90

ROCK ISLAND COUNTY

Township	Lime-stone
Andalusia.....	\$1. 50
Blackhawk.....	1. 40
Bowling.....	1. 50
Buffalo Prairie.....	1. 60
Canoe Creek.....	1. 40
Coal Valley.....	1. 50
Coe.....	1. 30
Cordova.....	1. 30
Drury.....	1. 60
Edgington.....	1. 50
Hampton.....	1. 50
Port Byron.....	1. 30
Rural.....	1. 40
South Moline.....	1. 50
South Rock Island.....	1. 30
Zuma.....	1. 50

ST. CLAIR COUNTY

Canteen.....	\$1. 40
Caseyville.....	1. 40
Centerville.....	1. 30

ST. CLAIR COUNTY—Continued

Township	Lime-stone
Englemann.....	\$1. 50
Fayetteville.....	1. 50
Freeburg.....	1. 40
Lebanon.....	1. 60
Lenzburg.....	1. 50
Marissa.....	1. 50
Mascoutah.....	1. 50
Millstadt.....	1. 30
New Athens.....	1. 50
O'Fallon.....	1. 50
Prairie du Long.....	1. 40
St. Clair.....	1. 30
Shiloh Valley.....	1. 40
Smithton.....	1. 30
Stookey.....	1. 30
Sugar Loaf.....	1. 30

SALINE COUNTY

Brushy.....	\$2. 10
Carrier Mills.....	2. 10
Cottage.....	2. 10
Eldorado.....	2. 00
Galatia.....	2. 10
Harrisburg.....	2. 20
Independence.....	2. 20
Long Branch.....	2. 30
Mountain.....	2. 20
Raleigh.....	2. 10
Rector.....	2. 20
Stonefort.....	2. 20
Tate.....	2. 30

SANGAMON COUNTY

Township	Lime-stone	Lead mine refuse
Auburn.....	\$2. 20	\$2. 10
Ball.....	2. 10	2. 00
Buffalo Hart.....	2. 10	-----
Cartwright.....	2. 20	-----
Chatham.....	2. 20	2. 10
Clear Lake.....	2. 10	2. 00
Cooper.....	2. 20	2. 10
Cotton Hill.....	2. 30	2. 20
Curran.....	2. 20	2. 10
Divernon.....	2. 30	2. 20
Fancy Creek.....	2. 10	-----
Gardner.....	2. 20	2. 10
Illiopoli.....	2. 10	-----
Island Grove.....	2. 20	2. 10
Lanesville.....	2. 10	-----
Loami.....	2. 20	2. 10
Maxwell.....	2. 20	2. 10
Mechanicsburg.....	2. 20	-----
New Berlin.....	2. 20	2. 10
Pawnee.....	2. 20	2. 10

SANGAMON COUNTY—Cont.

Township	Lime-stone	Lead mine refuse
Rochester.....	\$2. 20	\$2. 10
Salisbury.....	2. 20	-----
Springfield.....	2. 10	2. 00
Talkington.....	2. 30	2. 20
Williams.....	2. 10	-----
Woodside.....	2. 20	2. 10

SCHUYLER COUNTY

Township	Lime-stone
Bainbridge.....	\$2. 30
Birmingham.....	1. 90
Brooklyn.....	1. 90
Browning.....	2. 40
Buena Vista.....	2. 40
Camden.....	2. 10
Frederick.....	2. 40
Hickory.....	2. 50
Huntsville.....	1. 90
Littleton.....	2. 20
Oakland.....	2. 40
Rushville.....	2. 40
Woodstock.....	2. 40

SCOTT COUNTY

Alsey.....	\$2. 20
Bloomfield.....	2. 20
East Winchester.....	2. 30
Exeter.....	2. 40
Glasgow.....	2. 20
Manchester.....	2. 20
Merritt.....	2. 40
Naples.....	2. 30
North Bluffs.....	2. 30
North Winchester.....	2. 20
Oxville.....	2. 30
Point Pleasant.....	2. 30
Sandy.....	2. 20
South Bluffs.....	2. 30
South Winchester.....	2. 20

SHELBY COUNTY

Ash Grove.....	\$2. 10
Big Spring.....	2. 20
Clarksburg.....	2. 10
Cold Spring.....	2. 10
Dry Point.....	2. 00
Flat Branch.....	2. 00
Herrick.....	2. 00
Holland.....	2. 10
Lakewood.....	2. 10
Moweaqua.....	2. 10

SHELBY COUNTY—Continued

Township	Lime-stone
Oconee.....	\$2. 10
Okaw.....	2. 10
Penn.....	2. 10
Pickaway.....	2. 10
Prairie.....	2. 20
Richland.....	2. 10
Ridge.....	2. 10
Rose.....	2. 10
Rural.....	2. 10
Shelbyville.....	2. 10
Sigel.....	2. 10
Todd Point.....	2. 10
Tower Hill.....	2. 00
Windsor.....	2. 10

STARK COUNTY

Township	Lime-stone	No. 2 lime-stone
Elmira.....	\$2. 20	\$1. 60
Essex.....	2. 00	1. 50
Goshen.....	2. 00	1. 50
Osceola.....	2. 20	1. 60
Penn.....	2. 10	1. 60
Toulon.....	2. 00	1. 50
Valley.....	2. 00	1. 40
West Jersey.....	2. 20	1. 60

STEPHENSON COUNTY

Township	Lime-stone
Buckeye.....	\$1. 20
Dakota.....	1. 20
Erin.....	1. 50
Florence.....	1. 30
Harlem.....	1. 30
Jefferson.....	1. 50
Kent.....	1. 50
Lancaster.....	1. 20
Loran.....	1. 50
Oneco.....	1. 20
Ridott.....	1. 30
Rock Grove.....	1. 20
Rock Run.....	1. 20
Silver Creek.....	1. 20
Waddams.....	1. 30
West Point.....	1. 30
Winslow.....	1. 20

TAZEWELL COUNTY

Boynton.....	\$1. 80
Cincinnati.....	1. 70
Deer Creek.....	1. 80

TAZEWELL COUNTY—Continued

Township	Lime-stone
Delavan.....	\$1. 80
Dillon.....	1. 70
Elm Grove.....	1. 80
Fondulac.....	1. 70
Groveland.....	1. 70
Hittle.....	1. 90
Hopedale.....	1. 80
Little Mackinaw.....	1. 80
Mackinaw.....	1. 80
Malone.....	1. 80
Morton.....	1. 80
Pekin.....	1. 70
Sand Prairie.....	1. 80
Spring Lake.....	2. 00
Tremont.....	1. 80
Washington.....	1. 80

UNION COUNTY

Alto Pass.....	\$1. 50
Anna.....	1. 30
Balcom.....	1. 40
Cobden.....	1. 50
Dongola.....	1. 40
Jonesboro.....	1. 40
Lick Creek.....	1. 50
Mill Creek.....	1. 40
Misenheimer.....	1. 50
Preston.....	1. 60
Reynoldsville.....	1. 50
Rich.....	1. 70
Saratoga.....	1. 40
Stokes.....	1. 40
Union 1.....	1. 50
Union 2.....	1. 60

VERMILION COUNTY

Blount.....	\$1. 80
Butler.....	1. 80
Carroll.....	1. 60
Catlin.....	1. 40
Danville.....	1. 70
Elwood.....	1. 80
Georgetown.....	1. 60
Grant.....	1. 80
Jamaica.....	1. 30
Love.....	1. 80
McKendree.....	1. 80
Middlefork.....	2. 00
Newell.....	2. 00
Oakwood.....	1. 60
Pilot.....	1. 90
Ross.....	1. 90
Sidell.....	1. 50
South Ross.....	1. 90
Vance.....	1. 40

WABASH COUNTY

Township	Lime-stone
Bellmont	\$2. 20
Coffee-Compton	2. 30
Friendsville	2. 20
Lancaster	2. 10
Lick Prairie	2. 10
Mount Carmel	2. 00
Wabash	2. 10

WARREN COUNTY

Berwick	\$1. 80
Coldbrook	1. 80
Ellison	1. 80
Floyd	1. 80
Greenbush	1. 90
Hale	1. 60
Kelly	1. 80
Lenox	1. 80
Monmouth	1. 60
Point Pleasant	1. 90
Roseville	1. 80
Spring Grove	1. 60
Sumner	1. 60
Swan	1. 90
Tompkins	1. 70

WASHINGTON COUNTY

Township	Lime-stone	Lead mine refuse
Ashley	\$1. 80	\$1. 50
Beaucoup	1. 70	1. 40
Bolo	1. 80	1. 50
Covington	1. 80	1. 40
Dubois	1. 80	1. 60
Hoyleton	1. 60	1. 30
Irvington	1. 80	1. 40
Johannisburg	1. 60	1. 40
Lively Grove	1. 60	1. 40
Nashville	1. 60	1. 30
Oakdale	1. 70	1. 30
Okawville	1. 70	1. 50
Pilot Knob	1. 60	1. 30
Plum Hill	1. 80	1. 50
Richview	1. 80	1. 50
Venedy	1. 50	1. 40

WAYNE COUNTY

Arrington	\$2. 20	\$2. 10
Barnhill	2. 20	2. 10
Bedford	2. 10	2. 00
Berry	2. 20	2. 10
Big Mound	2. 30	2. 10
Elm River	2. 20	2. 10

WAYNE COUNTY—Continued

Township	Lime-stone	Lead mine refuse
Four Mile	\$2. 20	\$2. 10
Garden Hill	2. 00	1. 90
Grover	2. 10	2. 00
Hickory Hill	2. 10	2. 00
Indian Prairie	2. 10	2. 00
Jasper	2. 20	2. 10
Keith	2. 10	2. 00
Lamard	2. 10	2. 00
Leech	2. 20	2. 10
Massilon	2. 20	2. 10
Mount Erie	2. 30	2. 20
Orchard	2. 10	2. 00
Orel	2. 10	2. 00
Zif	2. 10	2. 00

WHITE COUNTY

Burnt Prairie	\$2. 40	\$2. 20
Carmi	2. 30	2. 10
Emma	2. 50	2. 20
Enfield	2. 30	2. 10
Gray	2. 30	2. 20
Hawthorne	2. 50	2. 20
Heralds Prairie	2. 40	2. 20
Indian Creek	2. 30	2. 20
Mill Shoals	2. 40	2. 10
Phillips	2. 40	2. 10

WHITESIDE COUNTY

Township	Lime-stone
Albany	\$1. 60
Clyde	1. 70
Coloma	1. 40
Erie	1. 60
Fenton	1. 50
Fulton	1. 40
Garden Plain	1. 50
Genesee	1. 70
Hahnman	1. 80
Hopkins	1. 60
Hume	1. 50
Jordan	1. 60
Lyndon	1. 60
Montmorency	1. 50
Mount Pleasant	1. 50
Newton	1. 60
Portland	1. 70
Prophetstown	1. 80
Sterling	1. 60
Tampico	1. 80
Union Grove	1. 50
Ustick	1. 50

WILL COUNTY

Township	Lime-stone
Channahon.....	\$1. 30
Crete.....	1. 40
Custer.....	1. 30
Du Page.....	1. 50
Florence.....	1. 40
Frankfort.....	1. 50
Green Garden.....	1. 50
Homer.....	1. 50
Jackson.....	1. 40
Joliet.....	1. 30
Lockport.....	1. 50
Manhattan.....	1. 40
Monroe.....	1. 30
New Lenox.....	1. 50
Peotone.....	1. 40
Plainfield.....	1. 50
Reed.....	1. 40
Troy.....	1. 50
Washington.....	1. 60
Wesley.....	1. 30
Wheatland.....	1. 70
Will.....	1. 50
Wilmington.....	1. 50
Wilton.....	1. 50

WILLIAMSON COUNTY

Township	Lime-stone	Lead mine refuse
Blairsville.....	\$1. 80	\$1. 60
Cartersville.....	1. 80	1. 60
Corinth.....	1. 90	1. 70
Crab Orchard.....	1. 90	1. 70
Creal Springs.....	1. 90	1. 70
East Marion.....	1. 90	1. 70
Grassy.....	1. 90	1. 70
Herrin.....	1. 80	1. 50
Lake Creek.....	1. 90	1. 70
Southern.....	1. 90	1. 70
Stonefort.....	2. 00	1. 80
West Marion.....	1. 90	1. 70

WINNEBAGO COUNTY

Township	Lime-stone
Burritt.....	\$1. 20
Cherry Valley.....	1. 40
Durand.....	1. 40
Guilford.....	1. 40
Harlem.....	1. 10
Harrison.....	1. 20
Laona.....	1. 30
New Milford.....	1. 40
Owen.....	1. 10
Pecatonica.....	1. 50
Rockford.....	1. 20
Rockton.....	1. 10
Roscoe.....	1. 10
Seward.....	1. 40
Shirland.....	1. 20
Winnebago.....	1. 40

WOODFORD COUNTY

Cazenovia.....	\$2. 10
Clayton.....	1. 70
Cruger.....	1. 80
El Paso.....	1. 60
Greene.....	1. 70
Kansas.....	1. 80
Linn.....	1. 90
Metamora.....	1. 90
Minonk.....	1. 50
Montgomery.....	1. 80
Olio.....	1. 80
Palestine.....	1. 70
Panola.....	1. 50
Partridge.....	2. 10
Roanoke.....	1. 90
Spring Bay.....	2. 30
Worth.....	2. 10





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CURRENT SERIAL RECORD

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U. S. DEPARTMENT OF AGRICULTURE

UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL ADJUSTMENT AGENCY

Washington, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

NORTH CENTRAL REGION

INDIANA COMMITTEEMAN'S PRACTICE HANDBOOK

The 1945 farm program is designed to assist the farmers of Indiana to the fullest possible extent in protecting their soils against damage from erosion and loss of fertility.

The county committee, with the approval of the State committee, may designate those practices which will be approved for payment in the county in order that the farm allowance will be used most effectively to bring about increased conservation, or the county committee may specify for any group of farms a proportion of the farm allowance which may be earned only by carrying out certain designated practices which are very much needed.

A. CONSERVATION PRACTICE ALLOWANCE

The practice allowance is the maximum amount of payment that may be made for carrying out approved conservation practices on the farm.

(1) Except as limited by practice provisions the allowance for the following special practices shall be the extent of such practices times the approved rates: Contouring Intertilled Crops, Contour Seeding, Establishing Contour Stripcropping, Standard or Diversion Terraces, Establishing Sod Waterways, and Dams for Livestock Water.

(2) The allowance for regular practices shall be the sum of the following, or \$20.00, whichever is greater:

- (a) 50 cents times the acreage classified as cropland.
- (b) 50 cents times the acreage classified as noncrop open pasture.
- (c) \$2.00 times the acreage classified as commercial orchards.
- (d) 50 cents times the acreage classified as the normal commercial vegetable acreage for the farm.

B. CONSERVATION PRACTICES

The practices available for 1945 are those which are most needed in order to conserve and improve soil fertility, improve pasture land, prevent wind and water erosion, and promote conservation and better utilization of water. Assistance will be available through the conservation practice allowance for carrying out the following practices during the program year January 1, 1945, through December 31, 1945. To qualify for payment, each practice must be carried out in accordance with the specifications for that practice and be in keeping with good farming practices for the locality.

The total extent of any practice performed shall be reduced for purposes of payment by the percentage of the total cost of the practice which the county committee determines was furnished by a State or Federal agency. The extent of any practice shall not be reduced be-

cause a portion of the cost is represented by materials or services furnished by the A. A. A., or equipment furnished by S. C. S., or materials or services furnished by an agency of a State or political subdivision thereof to another agency or political subdivision of the same State, or trees purchased from a Clark-McNary Cooperative State Nursery.

All **special practices** listed under this section are designated by asterisks (**). Practices not designated as special practices will be considered as **regular practices**:

(1) ****Contouring intertilled crops.**—Contour farming of intertilled crops, provided the crop stubble is left standing or a good stand of a winter cover crop is obtained. Credit will not be given for this practice on land which has a slope of less than 2 percent. If there is danger of erosion in waterways, such waterways must be permanently established in sod. No credit will be given for this practice for any acreage qualifying under the Contour Stripcropping practices.—**\$1.50 per acre.**

(2) ****Contour seeding.**—Contour seeding, by drilling, of small grain crops, sorghums, millet, and soybeans. If there is danger of erosion in waterways, such waterways must be permanently established in sod. No credit will be given for this practice for any acreage qualifying under the Contour Stripcropping practices. All tillage operations in connection with the seeding **must** be on the contour.—**\$0.50 per acre.**

(3) ****Establishing contour stripcropping.**—By growing alternate strips of intertilled crops with sown, close-drilled, or sod crops, on the contour: *Provided*, (1) The strips are approximately the same width; (2) the strips are not less than 3 rods nor more than 10 rods in width; and (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained. Buffer strips must be at least 1 rod in width.—**\$2.50 per acre.**

(4) **Maintaining contour stripcropping.**—Maintaining contour stripcropping previously established, by growing alternate strips of intertilled crops with sown, close-drilled or sod crops, on the contour: *Provided*, (1) The strips are approximately the same width; (2) the strips are not less than 3 rods nor more than 10 rods in width; and (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained. When in the normal course of crop rotation it is necessary to have two adjacent strips of sown, close-drilled, or sod crops, payment will be made for the entire field. Buffer strips must be at least 1 rod in width.—**\$1 per acre.**

(5) **Field stripcropping to control wind erosion.**—By growing alternate strips of intertilled crops with sown, close-drilled, or sod crops: *Provided*, (1) The strips are approximately parallel and are laid out at right angles to the prevailing winds or in a continuous “S” so that wind cannot blow parallel to the rows of crops; (2) the strips are not less than 3 rods nor more than 15 rods in width; and (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained. Buffer strips must be at least 1 rod in width.—**\$0.50 per acre.**

(6) ****Standard and diversion terraces.**—With the prior approval of the county committee, construction of standard and diversion terraces for which proper outlets are provided. The terraces should be constructed to conform with specifications for the area as recommended by the U. S. Department of Agriculture.—**\$1 per 100 lin. ft.**

(7) **Establishing sod waterways.**—Establishing a permanent sod waterway on any cropland where a permanent vegetative cover is necessary in a waterway channel or terrace outlet, or in cultivated orchards. The channel of the waterway must be sufficiently wide to carry the run-off from the drainage area and must be at least 10 feet in width at the narrowest point. The channel must contain perennial grasses, and a good vegetative growth must be obtained.—**\$0.75 per 1,000 sq. ft.**

(8) **Maintaining sod waterways.**—Maintaining an established sod waterway at least 10 feet wide at the narrowest point in a field which is devoted to intertilled crops, by lifting the plow when the waterway is crossed, mowing, sodding or reseeding breaks in the sod, protecting from damage by livestock, and by use of other practices necessary to maintain a good vegetative cover. No credit will be given for this practice for any waterway for which credit is given under Practice (7).—**\$0.25 per 1,000 sq. ft.**

(9) **Seeding of depleted pasture on land designated as noncrop open pasture.**—Credit will be given for this practice only if lime and fertilizers are applied in accordance with good pasture management, and the acreage to be reseeded has been disked or springtoothed to prepare a good seed bed.

(a) Seedings consisting solely of timothy, lespedeza, red top, sweet clover, or mixtures of such crops.—**\$0.10 per lb.**

(b) Seedings consisting of adapted pasture grasses, perennial or biennial legumes (except sweet clover), or approved pasture mixtures.—**\$0.25 per lb.**

(10) **Mowing weeds.**—Mowing weeds on pasture land a sufficient number of times during the growing season to prevent weed seed formation and improve the stand of grasses or legumes, and by carrying out such other pasture improvement practices as the county committee may require. No hay or seed crop may be taken from the acreage. Credit will not be given for more than two mowings per acre.—**\$0.50 per mowing per acre.**

(11) ****Dams for livestock water.**—With prior approval of county committee, construction of earthen, concrete, or masonry dams and reservoirs for the purpose of providing water for livestock. Earthen dams must be constructed with minimum slopes of 3 to 1 on the upstream side and 2 to 1 on the downstream side. A top width of 5 feet shall be provided on dams up to 10 feet high and 6 feet on dams up to 15 feet high. Dams from 10 to 15 feet high must have a minimum free board of 4 feet. Free board will be considered the difference in height of the bottom of the spillway and top of the settled fill. A grassed spillway or sodded waterway at least 8 feet wide shall be provided for ponds with drainage areas up to 10 acres. For drainage areas from 10 to 25 acres the spillway width shall be increased in proportion. On dams over 15 feet high and with drainage areas in excess of 25 acres, design and construction must meet the specifications as recommended by the U. S. Department of Agriculture. No credit will be given unless the depth of the water is at least 4 feet in 20 percent of the pond area. Credit will not be given in an amount greater than \$100.00:

(a) For earth or other material moved for each development.—**\$0.10 per cu. yd.**

(b) For concrete or masonry.—**\$9 per cu. yd.**

(c) For rubble masonry.—**\$6 per cu. yd.**

(12) ****Special dams for livestock water.**—With prior approval of county committee, construction of earthen, concrete, or masonry dams and reservoirs for the purpose of providing water for livestock. Earthen dams must be constructed with minimum slopes of 3 to 1 on the upstream side and 2 to 1 on the downstream side. A top width of 5 feet shall be provided on dams up to 10 feet high and 6 feet on dams up to 15 feet high. Dams of 10 feet or less in height must have a free board of 4 feet. Free board will be considered the difference in height of the bottom of the spillway and top of the settled fill. A grassed spillway or sodded waterway of at least 8 feet wide shall be provided for ponds with drainage areas up to 10 acres in size. For drainage areas from 10 to 25 acres, the spillway width shall be increased in proportion.

No credit will be given unless the following conditions have been met: The depth of the water is at least 6 feet in 20 percent of the pond; the water is piped out to a stockwater tank; a float valve is provided for regulating the flow of water to the stockwater tank; a trickle tube 6 inches below the spillway level and on the opposite side of the dam must be provided and should convey the excess water to stable grade below the dam; the entire area of the pond and dam must be protected from livestock by fencing; and the fill must be seeded with grass and legume seed. The top soil should be removed from the dam site before the fill is started and the dam should be reinforced with a clayey soil core at least 4 feet wide at the center of the dam running lengthwise. Credit will not be given in an amount greater than \$100.00.

- (a) For earth or other material moved :
 Not in excess of 2,000 cu. yd.—\$0.15 per cu. yd.
 In excess of 2,000 cu. yd.—\$0.10 per cu. yd.
- (b) For concrete or masonry.—\$9 per cu. yd.
- (c) For rubble masonry.—\$6 per cu. yd.

(13) **Go-down crops** (applicable in commercial orchards).—Protecting the soil from wind and water erosion by the use of go-down crops, provided a good vegetative growth is obtained and the crop is not pastured or harvested for hay, grain, seed, forage, or otherwise taken from the land. The following crops will qualify under this practice; Sudan grass, millet, buckwheat, sweet sorghums, oats, barley, wheat, and rye or mixtures of any of these crops.—\$1.50 per acre.

(14) **Green manure crops.**—Disking or plowing under a good stand and a good growth of the following crops. If the land is subject to erosion and the green manure is plowed down in the fall, the green manure crop must be followed by a winter cover crop.—\$1.50 per acre.

- (a) Sweet clover.
- (b) 1944 fall seedings of winter rye, except that acreage for which a 1944 winter cover crop practice payment was made.
- (c) Crimson clover, cowpeas, and winter vetch, except that acreage for which a 1944 winter cover crop practice payment was made.

(15) **Open farm ditches.**—With prior approval of the county committee, construction or cleaning out of farm ditches (except ditches constructed or maintained by a drainage district), including lateral and lead ditches, for which proper outlets are provided, and adequate provision is made for entrance of water into and out of the ditch.

The ditch must have adequate capacity to remove the normal excess surface water. When practice allowances are pooled under an approved pooling agreement, the \$5.00 per 100 lin. ft. limitation will be removed.—**\$0.08 per cu. yd. of material moved**, but not in excess of **\$5 per 100 lin. ft.**

(16) **Ditches for tile drainage.**—With prior approval of the county committee, excavation for the purpose of installation of tile drains, provided the size of tile, outlets, and gradient meet the specifications for standard drainage as recommended by the U. S. Department of Agriculture; not less than 75 percent of the area to be drained is cropland; and no part of the tile lines is to be used for any other purpose than the draining of agricultural land.—**\$0.40 per rod.**

(17) **Harvesting hayseed.**—Harvesting for seed an acreage of alfalfa, red clover, alsike clover, white clover, sweet clover, and bromegrass. Credit will not be given for more than 25 acres per farm.—**\$3.50 per acre.**

(18) **Weed control.**—With prior approval of the county committee, eradication or effective control of seriously infested plots of the following perennial noxious weeds: **Canada thistle**, and **bindweed**. Payment for this practice may be approved only on farms where approved weed control measures are being carried out on all adjacent infested farms and contiguous land, where the infestation is limited to a single farm, or where the county committee determines that there is no likelihood of reinfestation from adjacent or contiguous land:

(a) By use of sodium chlorate or other chemicals.—**\$0.10 per lb.**

(b) By clean tillage.—**\$10 per acre.**

(19) **Tree planting.**—Prior approval of the site and of the variety of the tree to be planted must be obtained from the county committee. The plantings must be made in accordance with good tree culture and the new planting must be protected from fire and grazing. The following varieties of trees may be approved for payment provided they are adapted to the particular soil type, climatic conditions, moisture conditions, and site: Shortleaf Pine, Virginia Pine, Pitch Pine, Eastern Red Cedar, Walnut, Butternut, Shagbark Hickory, Mockernut Hickory, White Oak, Red Oak, Black Oak, Tulip Poplar, Green Ash, White Ash, Yellow Poplar, Black Walnut, Black Locust, Sugar Maple, Hardy Catalpa, and other good hardwoods approved by the State foresters:

(a) Planting for forest purposes or gully control.—**\$1 per 100 trees** but not in excess of **\$7.50 per acre.**

(b) Planting for windbreak purposes.—**\$2 per 100 trees.**

(20) **Tree maintenance.**—Maintaining for forest purposes, a good stand of at least 300 trees per acre, or for windbreak purposes, a good stand of at least 250 trees per acre, which have been planted between Jan. 1, 1940 and Jan. 1, 1945, by cultivating sufficiently to control other vegetation, protecting from fire and grazing, and replanting if necessary.—**\$3 per acre.**

(21) **Mulching materials.**—Application of small grain straw, or crop residue obtained from harvesting legumes and grasses for seed, on commercial orchards, in vineyards, on commercial vegetable land, on potato land, or on strawberries or other small fruit.—**\$5 per ton.**

(22) **Liming materials** (credit rates are contained in NCR-901-Ind., Suppl. I).—Application of the following materials:

(a) **One ton of agricultural ground limestone** containing at least 80 percent calcium carbonate equivalent, and ground sufficiently fine so that 80 percent, including all of the finer particles obtained in the grinding process, will pass through an 8-mesh sieve. The moisture content at the time of shipment must not exceed 8 percent. The specifications for calcium carbonate content and percent of material passing through an 8-mesh sieve must be such that the multiplication of these specifications will be equal to or in excess of 0.72. If the ground limestone will not qualify with respect to either fineness or calcium carbonate content, or both, the county committee must require a correspondingly greater amount of material.

(b) **One ton of calcium carbide refuse lime** containing at least 80 percent of calcium carbonate and testing not more than 35 percent moisture at the shipping point. A correspondingly greater amount of material must be required if the material does not meet the specifications.

(c) **One cubic yard of marl.**

(d) **One cubic yard of water-softening process lime.**

(e) **One ton of burnt lime waste.**

(f) **One ton of commercial burnt lime.**

(g) **One ton of hydrated lime.**

(23) **Fertilizers.**—Application of **superphosphate, rock phosphate, or potash**, when such material is applied (1) to **new seedings** of biennial or perennial legumes, perennial grasses, winter legumes, lespedeza or permanent pasture (no credit will be given for materials furnished by the Agricultural Adjustment Agency applied to a seedling if wheat is used as a nurse crop); (2) to **old stands** of biennial and perennial legumes, perennial grasses, or permanent pasture provided the acreage on which such applications are made is not devoted to, cultivated for, or plowed for any other crop during the program year; and (3) to **green manure crops** in orchards.

(a) Application of superphosphate or defluorinated phosphate rock.—**\$4.70 per 100 lbs of available P_2O_5 .**

(b) Application of rock phosphate.—**\$0.55 per 100 lbs.**

(c) Application of potash.—**\$3.25 per 100 lbs of available K_2O .**

(d) 100 lbs of 0-9-27..... \$1.30

(e) 100 lbs of 0-10-20..... 1.10

(f) 100 lbs of 0-12-12..... .95

(g) 100 lbs of 0-14-7..... .90

(h) 100 lbs of 0-14-14..... 1.10

(i) 100 lbs of 0-18-0..... .85

(j) 100 lbs of 0-19-0..... .90

(k) 100 lbs of 0-20-0..... .95

(l) 100 lbs of 0-20-10..... 1.25

(m) 100 lbs of 0-20-20..... 1.60

(n) 100 lbs of 2-12-6..... \$0.75

(o) 100 lbs of 2-16-8..... 1.00

(p) 100 lbs of 3-9-18..... 1.00

(q) 100 lbs of 3-12-12..... .95

(r) 100 lbs of 3-18-9..... 1.15

(s) 100 lbs of 4-10-6..... .65

(t) 100 lbs of 4-16-0..... .75

(u) 100 lbs of 8-8-8..... .65

(v) 100 lbs of 10-6-4..... .40

C. DEFINITIONS

(1) **Farm.**—Farm means all adjacent or nearby farm land under the same ownership which is operated by one person., including also:

(a) Any other adjacent or nearby farm land which the county committee, in accordance with instructions issued by the Agricultural Adjustment Agency, determines is operated by the same person as part of the same unit with respect to the rotation of crops and with work stock, farm machinery, and labor substantially separate from that for any other lands; and

(b) Any field-rented tract (whether operated by the same or another person) which, together with any other land included in the farm, constitutes a unit with respect to the rotation of crops.

(c) A farm shall be regarded as located in the county in which the principal dwelling is situated, or if there is no dwelling thereon, it shall be regarded as located in the county in which the major portion of the farm is located.

(2) **Cropland.**—Cropland means farm land which in 1944 was tilled or was in regular rotation, excluding any land which constitutes, or will constitute if such tillage is continued, a wind-erosion hazard to the community, and excluding also, any land in commercial orchards.

(3) **Noncrop open pasture land.**—Noncrop open pasture land means pasture land (other than rotation pasture land) on which the predominant growth is forage suitable for grazing and on which the number or grouping of any trees or shrubs is such that the land could not fairly be considered as woodland.

(4) **Commercial orchards.**—Commercial orchards means the acreage on the farm in planted or cultivated fruit trees, nut trees, vineyards, hops, or bush fruits (excluding nonbearing orchards and vineyards), from which the major portion of the production is normally sold.

(5) **Normal commercial vegetable acreage.**—The normal commercial vegetable acreage for the farm means that acreage of vegetable or truck crops of which the principal part of the production is sold to persons not living on the farm, including the acreage of sweet potatoes, tomatoes, sweet corn, melons, cantaloupes, strawberries, and commercial bulbs and flowers. The only vegetable or truck crops not included are peas or sweet corn for processing, artichokes for use other than vegetables, and Irish potatoes.

(6) **Person.**—Person means an individual, partnership, association, corporation, estate or trust, or other business enterprise or other legal entity, and wherever applicable, a State, a political subdivision of a State, or any agency thereof.

(7) **Producer.**—Producer means any person who as landlord, tenant, or sharecropper, participates in the operation of a farm.

D. POOLING OF PRACTICE ALLOWANCES

Producers in any local area may agree in writing with the approval of the State committee, to combine all or any part of their farm allowances for the performance of practice No. (15), Farm Ditches, provided their farms are benefited by the construction of the ditches. For purposes of payment, the practice carried out under an approved written pooling agreement will be regarded as having been carried out on the farms of the producers who performed the practice.

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AGRICULTURAL ADJUSTMENT AGENCY
WASHINGTON, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

SUPPLEMENT 1 TO INDIANA COMMITTEEMAN'S PRACTICE
HANDBOOK

1945 CREDIT RATES FOR LIMING MATERIALS—INDIANA

Following are the materials for which the credit rates are the same throughout the State:

Type of material	Credit rate
Calcium carbide refuse lime.....	\$1.40 per ton.
Water-softening process lime.....	\$0.70 per cu. yd.
Burnt lime waste.....	\$1.40 per ton.
Commercial burnt lime.....	\$4.00 per ton.
Hydrated lime.....	\$4.00 per ton.

The following are the credit rates for the other materials for which credit will be given in your county. The rates for limestone are on a ton basis and the rates for marl are on a cubic yard basis:

ADAMS COUNTY

Township	Lime-stone
Blue Creek.....	\$1. 20
French.....	1. 20
Hartford.....	1. 20
Jefferson.....	1. 00
Kirkland.....	1. 30
Monroe.....	1. 30
Preble.....	1. 30
Root.....	1. 40
St. Marys.....	1. 30
Union.....	1. 50
Wabash.....	1. 10
Washington.....	1. 30

ALLEN COUNTY

Aboite.....	\$1. 60
Adams.....	1. 60
Cedar Creek.....	1. 80
Eel River.....	2. 00
Jackson.....	1. 60
Jefferson.....	1. 60
Lafayette.....	1. 60
Lake.....	1. 80
Madison.....	1. 80
Marion.....	1. 60
Maumee.....	1. 80
Milan.....	1. 80

ALLEN COUNTY—Continued

Township	Lime-stone
Monroe.....	\$1. 80
Perry.....	1. 80
Pleasant.....	1. 50
Scipio.....	1. 80
Springfield.....	1. 80
St. Joseph.....	1. 80
Washington.....	1. 80
Wayne.....	1. 60

BARTHOLOMEW COUNTY

Clay.....	\$1. 30
Clifty.....	1. 30
Columbus.....	1. 40
Flatrock.....	1. 50
German.....	1. 50
Harrison.....	1. 50
Haw Creek.....	1. 50
Jackson.....	1. 60
Ninevah.....	1. 50
Ohio.....	1. 60
Rock Creek.....	1. 20
Sand Creek.....	1. 30
Union.....	1. 50
Wayne.....	1. 50

BENTON COUNTY

Township	Lime-stone	Marl
Bolivar.....	\$2. 20	\$1. 20
Center.....	1. 80	1. 20
Gilboa.....	1. 90	1. 20
Grant.....	2. 00	1. 20
Hickory Grove.....	2. 10	1. 20
Oak Grove.....	2. 10	1. 20
Parish Grove.....	1. 80	1. 20
Pine.....	2. 20	1. 20
Richland.....	1. 70	1. 20
Union.....	1. 80	1. 20
York.....	1. 80	1. 20

BLACKFORD COUNTY

Township	Lime-stone
Harrison.....	\$1. 00
Jackson.....	1. 20
Licking.....	1. 20
Washington.....	1. 10

BOONE COUNTY

Center.....	\$2. 90
Clinton.....	2. 80
Eagle.....	2. 50
Harrison.....	2. 60
Jackson.....	2. 60
Jefferson.....	2. 50
Marion.....	2. 90
Perry.....	2. 90
Sugar Creek.....	2. 90
Union.....	2. 50
Washington.....	2. 50
Worth.....	2. 50

BROWN COUNTY

Hamblen.....	\$1. 90
Jackson.....	1. 90
Johnson.....	1. 80
Van Buren.....	1. 90
Washington.....	1. 90

CARROLL COUNTY

Township	Lime-stone	Marl
Adams.....	\$1. 60	\$0. 80
Burlington.....	2. 00	. 80
Carrollton.....	1. 60	. 80
Clay.....	1. 80	. 80
Deer Creek.....	1. 60	. 80
Democrat.....	2. 10	. 80

CARROLL COUNTY—Continued

Township	Lime-stone	Marl
Jackson.....	\$1. 80	\$0. 80
Jefferson.....	1. 80	. 80
Liberty.....	1. 70	. 80
Madison.....	2. 00	. 80
Monroe.....	2. 00	. 80
Rock Creek.....	1. 80	. 80
Tippecanoe.....	1. 50	. 80
Washington.....	1. 50	. 80

CASS COUNTY

Township	Lime-stone
Adams.....	\$1. 70
Bethlehem.....	1. 70
Boone.....	1. 50
Clay.....	1. 40
Clinton.....	1. 40
Deer Creek.....	1. 70
Eel.....	1. 40
Harrison.....	1. 60
Jackson.....	1. 70
Jefferson.....	1. 60
Miami.....	1. 40
Noble.....	1. 50
Tipton.....	1. 50
Washington.....	1. 50

CLARK COUNTY

Bethlehem.....	\$1. 50
Carr.....	1. 30
Charlestown.....	1. 20
Jeffersonville.....	1. 00
Monroe.....	1. 30
Oregon.....	1. 30
Owen.....	1. 40
Silver Creek.....	1. 10
Union.....	1. 20
Utica.....	1. 10
Washington.....	1. 40
Wood.....	1. 50

CLAY COUNTY

Cass.....	\$1. 40
Dick Johnson.....	1. 50
Harrison.....	2. 10
Jackson.....	1. 40
Lewis.....	2. 30
Perry.....	1. 60
Posey.....	1. 50
Sugar Ridge.....	1. 60
Van Buren.....	1. 40
Washington.....	1. 60

CLINTON COUNTY

Township	Lime-stone
Center.....	\$1. 90
Forest.....	2. 10
Jackson.....	2. 00
Johnson.....	2. 20
Kirklin.....	2. 10
Madison.....	2. 20
Michigan.....	1. 90
Owen.....	2. 00
Perry.....	2. 30
Ross.....	2. 20
Sugar Creek.....	2. 30
Union.....	2. 00
Warren.....	1. 90
Washington.....	2. 10

CRAWFORD COUNTY

Boone.....	\$2. 10
Jennings.....	1. 40
Johnson.....	1. 80
Liberty.....	1. 20
Ohio.....	1. 70
Patoka.....	1. 80
Sterling.....	1. 20
Union.....	1. 70
Whiskey Run.....	1. 30

DAVIESS COUNTY

Barr.....	\$2. 40
Bogard.....	2. 40
Elmore.....	2. 30
Harrison.....	2. 50
Madison.....	2. 20
Reeve.....	2. 50
Steele.....	2. 40
Van Buren.....	2. 20
Veale.....	2. 50
Washington.....	2. 50

DEARBORN COUNTY

Caesar Creek.....	\$1. 80
Center.....	1. 80
Clay.....	1. 80
Harrison.....	1. 80
Hogan.....	1. 70
Jackson.....	1. 80
Kelso.....	1. 90
Lawrenceburg.....	1. 80
Logan.....	1. 80
Manchester.....	1. 70
Miller.....	1. 80
Sparta.....	1. 80
Washington.....	1. 80
York.....	1. 80

DECATUR COUNTY

Township	Lime-stone	Marl
Adams.....	\$1. 40	\$0. 80
Clay.....	1. 50	. 80
Clinton.....	1. 30	. 80
Fugit.....	1. 60	. 80
Jackson.....	1. 30	. 80
Marion.....	1. 60	. 80
Salt Creek.....	1. 40	. 80
Sand Creek.....	1. 40	. 80
Washington.....	1. 50	. 80

DE KALB COUNTY

Butler.....	\$2. 10	\$0. 80
Concord.....	2. 30	. 80
Fairfield.....	2. 70	. 80
Franklin.....	2. 60	. 80
Grant.....	2. 40	. 80
Jackson.....	2. 10	. 80
Keyser.....	2. 30	. 80
Newville.....	2. 50	. 80
Richland.....	2. 60	. 80
Smithfield.....	2. 60	. 80
Spencer.....	2. 20	. 80
Stafford.....	2. 50	. 80
Troy.....	2. 70	. 80
Union.....	2. 30	. 80
Wilmington.....	2. 40	. 80

DELAWARE COUNTY

Center.....	\$1. 20	\$1. 20
Delaware.....	1. 10	1. 20
Hamilton.....	1. 20	1. 20
Harrison.....	1. 40	1. 20
Liberty.....	1. 60	1. 20
Monroe.....	1. 40	1. 20
Mt. Pleasant.....	1. 30	1. 20
Niles.....	1. 20	1. 20
Perry.....	1. 80	1. 20
Salem.....	1. 80	1. 20
Union.....	1. 10	1. 20
Washington.....	1. 30	1. 20

DUBOIS COUNTY

Township	Lime-stone
Bainbridge.....	\$1. 90
Boone.....	1. 90
Cass.....	2. 40
Columbia.....	1. 60
Ferdinand.....	2. 40
Hall.....	2. 10
Harbison.....	1. 70

DUBOIS COUNTY—Continued

Township	Lime-stone
Jackson.....	\$2. 00
Jefferson.....	1. 80
Madison.....	2. 00
Marion.....	2. 00
Patoka.....	2. 20

ELKHART COUNTY

Township	Lime-stone	Marl
Baugo.....	\$2. 10	\$0. 90
Benton.....	2. 10	. 90
Cleveland.....	2. 10	. 70
Clinton.....	2. 10	. 70
Concord.....	2. 10	. 70
Elkhart.....	2. 10	. 80
Harrison.....	2. 10	. 90
Jackson.....	2. 10	. 90
Jefferson.....	2. 10	. 70
Locke.....	2. 10	. 90
Middlebury.....	2. 10	. 70
Olive.....	2. 10	. 90
Osolo.....	2. 10	. 70
Union.....	2. 10	. 90
Washington.....	2. 10	. 70
York.....	2. 10	. 70

FAYETTE COUNTY

Columbia.....	\$2. 30	\$1. 30
Connersville.....	2. 30	1. 30
Fairview.....	1. 80	1. 30
Harrison.....	2. 20	1. 30
Jackson.....	2. 60	1. 30
Jennings.....	2. 50	1. 30
Orange.....	2. 10	1. 30
Posey.....	2. 20	1. 30
Waterloo.....	2. 40	1. 30

FLOYD COUNTY

Township	Lime-stone
Franklin.....	\$1. 10
Georgetown.....	1. 40
Greenville.....	1. 40
Lafayette.....	1. 30
New Albany.....	1. 00

FOUNTAIN COUNTY

Township	Lime-stone	Marl
Cain.....	\$2. 20	\$1. 60
Davis.....	2. 50	1. 60
Fulton.....	2. 10	1. 60
Jackson.....	2. 00	1. 50
Logan.....	2. 30	1. 50
Mill Creek.....	2. 10	1. 60
Richland.....	2. 60	1. 60
Shawnee.....	2. 00	1. 50
Troy.....	2. 10	1. 60
Van Buren.....	2. 40	1. 60
Wabash.....	2. 20	1. 60

FRANKLIN COUNTY

Township	Lime-stone
Bath.....	\$2. 20
Blooming Grove.....	2. 10
Brookville.....	2. 00
Butler.....	1. 70
Fairfield.....	2. 30
Highland.....	1. 80
Laurel.....	2. 10
Metamora.....	2. 10
Posey.....	2. 30
Ray.....	1. 50
Salt Creek.....	1. 80
Springfield.....	1. 70
Whitewater.....	1. 90

FULTON COUNTY

Township	Lime-stone	Marl
Aubbeenaubbee.....	\$2. 50	\$0. 80
Henry.....	2. 50	. 80
Liberty.....	1. 90	1. 00
Newcastle.....	2. 50	. 80
Richland.....	2. 50	. 80
Rochester.....	2. 30	. 80
Union.....	2. 10	1. 00
Wayne.....	1. 90	1. 00

GIBSON COUNTY

Township	Lime-stone
Barton.....	\$2. 10
Center.....	2. 10
Columbia.....	2. 10
Johnson.....	2. 20

GIBSON COUNTY—Continued

Township	Lime-stone
Montgomery.....	\$2. 40
Patoka.....	2. 20
Union.....	2. 20
Wabash.....	2. 50
Washington.....	2. 30
White River.....	2. 30

GRANT COUNTY

Center.....	\$1. 40
Fairmount.....	1. 50
Franklin.....	1. 20
Green.....	1. 30
Jefferson.....	1. 40
Liberty.....	1. 50
Mill.....	1. 50
Monroe.....	1. 40
Pleasant.....	1. 10
Richland.....	1. 10
Sims.....	1. 10
Van Buren.....	1. 40
Washington.....	1. 40

GREENE COUNTY

Beach Creek.....	\$2. 00
Cass.....	2. 10
Center.....	1. 90
Fairplay.....	2. 10
Grant.....	2. 10
Highland.....	2. 30
Jackson.....	1. 80
Jefferson.....	1. 70
Richland.....	2. 00
Smith.....	1. 80
Stafford.....	2. 20
Stockton.....	2. 20
Taylor.....	2. 20
Washington.....	2. 30
Wright.....	2. 00

HAMILTON COUNTY

Adams.....	\$2. 50
Clay.....	2. 50
Delaware.....	1. 90
Fall Creek.....	1. 80
Jackson.....	2. 20
Noblesville.....	1. 90
Washington.....	2. 30
Wayne.....	1. 60
White River.....	1. 90

HANCOCK COUNTY

Township	Lime-stone
Blue River.....	\$2. 40
Brandywine.....	2. 20
Brown.....	2. 40
Buck Creek.....	2. 40
Center.....	2. 20
Green.....	2. 40
Jackson.....	2. 40
Sugar Creek.....	2. 40
Vernon.....	2. 40

HARRISON COUNTY

Township	Lime-stone	Marl
Blue River.....	\$1. 50	\$0. 80
Boone.....	1. 40	. 80
Franklin.....	1. 20	. 80
Harrison.....	1. 30	. 80
Heth.....	1. 40	. 80
Jackson.....	1. 30	. 80
Morgan.....	1. 50	. 80
Posey.....	1. 30	. 80
Scott.....	1. 40	. 80
Spencer.....	1. 50	. 80
Taylor.....	1. 40	. 80
Washington.....	1. 40	. 80
Webster.....	1. 30	. 80

HENDRICKS COUNTY

Township	Lime-stone
Brown.....	\$2. 10
Center.....	2. 10
Clay.....	1. 90
Eel River.....	2. 10
Franklin.....	1. 80
Guilford.....	2. 10
Liberty.....	1. 90
Lincoln.....	2. 10
Marion.....	1. 90
Middle.....	2. 10
Union.....	2. 10
Washington.....	2. 10

HENRY COUNTY

Township	Lime-stone	Marl
Blue River.....	\$2. 10	\$1. 30
Dudley.....	2. 10	1. 70
Fall Creek.....	2. 10	1. 30
Franklin.....	2. 10	1. 50
Greensboro.....	2. 10	1. 60

HENRY COUNTY—Continued

Township	Lime-stone	Marl
Harrison	\$2. 10	\$1. 50
Henry	2. 10	1. 30
Jefferson	2. 10	1. 30
Liberty	2. 10	1. 50
Prairie	2. 10	1. 20
Spiceland	2. 10	1. 60
Stoney Creek	2. 10	1. 30
Wayne	2. 10	1. 80

HOWARD COUNTY

Center	\$1. 70	\$0. 80
Clay	1. 80	. 80
Ervin	1. 80	. 80
Harrison	1. 80	. 80
Honey Creek	1. 90	. 80
Howard	1. 80	. 80
Jackson	1. 80	. 80
Liberty	1. 80	. 80
Monroe	1. 90	. 80
Taylor	1. 80	. 80
Union	1. 90	. 80

HUNTINGTON COUNTY

Township	Lime-stone
Clear Creek	\$1. 30
Dallas	1. 30
Huntington	1. 30
Jackson	1. 30
Jefferson	1. 50
Lancaster	1. 30
Polk	1. 40
Rock Creek	1. 40
Salamonie	1. 50
Union	1. 30
Warren	1. 40
Wayne	1. 50

JACKSON COUNTY

Brownstown	\$1. 70
Carr	2. 00
Driftwood	1. 80
Grassy Fork	1. 50
Hamilton	1. 70
Jackson	1. 70
Owen	1. 90
Pershing	1. 90
Redding	1. 40
Salt Creek	1. 90
Vernon	1. 50
Washington	1. 50

JASPER COUNTY

Township	Lime-stone	Marl
Barkley	\$1. 40	\$0. 80
Carpenter	1. 20	. 80
Gillam	1. 80	. 80
Hanging Grove	1. 50	. 80
Jordan	1. 20	. 80
Kankakee	1. 80	. 90
Keener	1. 50	. 80
Marion	1. 20	. 80
Milroy	1. 40	. 80
Newton	1. 20	. 80
Union	1. 30	. 80
Walker	1. 60	1. 10
Wheatfield	1. 60	1. 00

JAY COUNTY

Township	Lime-stone
Bear Creek	\$0. 90
Greene	1. 00
Jackson	1. 10
Jefferson	1. 20
Knox	1. 30
Madison	1. 30
Noble	1. 20
Penn	1. 40
Pike	1. 20
Richland	1. 10
Wabash	. 90
Wayne	1. 00

JEFFERSON COUNTY

Graham	\$1. 40
Hanover	1. 50
Lancaster	1. 40
Madison	1. 50
Milton	2. 00
Monroe	1. 80
Republican	1. 30
Saluda	1. 40
Shelby	2. 00
Smyrna	1. 50

JENNINGS COUNTY

Township	Lime-stone	Marl
Bigger	\$1. 10	\$0. 80
Campbell	1. 10	. 80
Center	0. 90	. 80
Columbia	1. 20	. 80
Geneva	1. 10	. 80
Lovett	1. 10	. 80
Marion	1. 20	. 80

JENNINGS COUNTY—Continued

Township	Lime-stone	Marl
Montgomery-----	\$1. 20	\$0. 80
Sand Creek-----	1. 00	. 80
Spencer-----	1. 10	. 80
Vernon-----	1. 00	. 80

JOHNSON COUNTY

Township	Lime-stone
All townships-----	\$2. 10

KNOX COUNTY

Busseron-----	\$2. 40
Decker-----	2. 50
Harrison-----	2. 50
Johnson-----	2. 50
Palmyra-----	2. 40
Steen-----	2. 40
Vigo-----	2. 40
Vincennes-----	2. 40
Washington-----	2. 40
Widner-----	2. 40

KOSCIUSKO COUNTY

Township	Lime-stone	Marl
Clay-----	\$2. 10	\$0. 90
Etna-----	2. 10	. 90
Franklin-----	2. 10	. 90
Harrison-----	2. 10	. 90
Jackson-----	1. 80	. 80
Jefferson-----	2. 10	. 80
Lake-----	2. 00	. 80
Monroe-----	1. 90	. 90
Plain-----	2. 10	. 90
Prairie-----	2. 10	. 90
Scott-----	2. 10	. 90
Seward-----	2. 10	. 90
Tippecanoe-----	2. 10	. 90
Turkey Creek-----	2. 10	. 90
Van Buren-----	2. 10	. 70
Washington-----	2. 00	. 90
Wayne-----	2. 10	. 90

LAGRANGE COUNTY

Bloomfield-----	\$2. 40	\$0. 80
Clay-----	2. 40	. 90
Clearspring-----	2. 40	. 90
Eden-----	2. 40	. 90
Greenfield-----	2. 40	. 90
Johnson-----	2. 40	. 90
Lima-----	2. 40	. 90
Milford-----	2. 40	. 80
Newbury-----	2. 40	. 90
Springfield-----	2. 40	. 90
Van Buren-----	2. 40	. 90

LAKE COUNTY

Township	Lime-stone
Calumet-----	\$1. 30
Cedar Creek-----	1. 40
Center-----	1. 30
Eagle Creek-----	1. 40
Hanover-----	1. 30
Hobart-----	1. 30
North-----	1. 30
Ross-----	1. 30
St. John-----	1. 30
West Creek-----	1. 40
Winfield-----	1. 30

LA PORTE COUNTY

Township	Lime-stone	Marl
Cass-----	\$2. 10	\$0. 90
Center-----	2. 10	. 80
Clinton-----	2. 10	. 80
Cool Spring-----	2. 10	. 80
Dewey-----	2. 10	. 80
Galena-----	2. 10	. 80
Hanna-----	2. 10	1. 00
Hudson-----	2. 10	. 80
Johnson-----	2. 10	. 80
Kankakee-----	2. 10	. 80
Lincoln-----	2. 10	. 80
Michigan-----	2. 10	. 80
New Durham-----	2. 10	. 80
Noble-----	2. 10	. 80
Pleasant-----	2. 10	. 80
Prairie-----	2. 10	. 80
Scipio-----	2. 10	. 80
Springfield-----	2. 10	. 80
Union-----	2. 10	. 80
Washington-----	2. 10	. 80
Wills-----	2. 10	. 80

LAWRENCE COUNTY

Township	Lime-stone
Bono-----	\$1. 80
Guthrie-----	1. 90
Indian Creek-----	1. 90
Marion-----	1. 90
Marshall-----	1. 80
Perry-----	1. 80
Pleasant Run-----	1. 50
Shawswick-----	1. 80
Spice Valley-----	2. 00

MADISON COUNTY

Township	Lime-stone
Adams	\$1. 40
Anderson	1. 40
Boone	2. 00
Duck Creek	2. 00
Fall Creek	1. 30
Green	1. 30
Jackson	1. 40
Lafayette	1. 50
Monroe	2. 00
Pipe Creek	2. 00
Richland	2. 00
Stoney Creek	1. 30
Union	1. 40
Van Buren	2. 00

MIAMI COUNTY

Township	Lime-stone	Marl
Allen	\$2. 00	\$0. 80
Butler	1. 50	. 80
Clay	1. 90	. 80
Deer Creek	1. 60	. 80
Erie	1. 90	. 80
Harrison	1. 90	. 80
Jackson	1. 80	. 80
Jefferson	1. 70	. 80
Perry	2. 00	. 80
Peru	1. 70	. 80
Pipe Creek	1. 40	. 80
Richland	1. 80	. 80
Union	1. 80	. 80
Washington	1. 70	. 80

MARION COUNTY

All townships	\$2. 40
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MONROE COUNTY

Township	Lime-stone
Bean Blossom	\$1. 60
Benton	1. 50
Bloomington	1. 30
Clear Creek	1. 40
Indian Creek	1. 40
Marion	1. 60
Perry	1. 30
Polk	1. 60
Richland	1. 60
Salt Creek	1. 50
Van Buren	1. 40
Washington	1. 40

MARSHALL COUNTY

Township	Lime-stone	Marl
Bourbon	\$2. 30	\$1. 00
Center	2. 10	. 90
German	2. 30	. 90
Green	2. 10	1. 00
North	2. 10	. 90
Polk	2. 10	. 90
Tippecanoe	2. 30	1. 00
Union	2. 10	. 90
Walnut	2. 30	1. 10
West	2. 10	. 90

MONTGOMERY COUNTY

Township	Lime-stone	Marl
Brown	\$1. 70	\$1. 30
Clark	1. 80	1. 30
Coal Creek	2. 40	1. 70
Franklin	2. 30	1. 70
Madison	2. 40	1. 70
Ripley	2. 30	1. 70
Scott	1. 70	1. 30
Sugar Creek	2. 50	1. 70
North Union	2. 10	1. 60
South Union	2. 00	1. 50
Walnut	2. 10	1. 60
Wayne	2. 10	1. 60

MARTIN COUNTY

Township	Lime-stone
Brown	\$2. 10
Center	2. 00
Halbert	2. 00
Lost River	2. 10
McCameron	2. 20
Mitcheltree	2. 20
Perry	2. 00
Rutherford	2. 20

MORGAN COUNTY

Township	Lime-stone
Adams	\$1. 80
Ashland	1. 80
Baker	2. 10
Brown	2. 00
Clay	2. 00
Green	2. 30
Gregg	1. 80
Harrison	2. 40
Jackson	2. 40
Jefferson	2. 10
Madison	2. 10
Monroe	1. 80
Ray	1. 80
Washington	2. 00

NEWTON COUNTY

All townships	\$1. 50
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NOBLE COUNTY

Township	Lime-stone	Marl
Allen	\$2. 30	\$1. 00
Elkhart	2. 40	. 80
Green	2. 10	. 80
Jefferson	2. 20	. 90
Noble	2. 10	. 80
Orange	2. 40	. 80
Perry	2. 60	1. 00
Sparta	2. 40	. 80
Swan	2. 20	1. 20
Washington	2. 20	. 80
Wayne	2. 50	. 80
York	2. 20	. 80

OHIO COUNTY

All townships	\$2. 10	\$0. 80
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ORANGE COUNTY

Township	Lime-stone
French Lick	\$1. 30
Greenfield	1. 30
Jackson	1. 50
Northeast	1. 20
Northwest	1. 50
Orangeville	1. 30
Orleans	1. 10
Paoli	1. 10
Southeast	1. 30
Stampers Creek	1. 10

OWEN COUNTY

Clay	\$1. 70
Franklin	1. 80
Harrison	1. 80
Jackson	2. 20
Jefferson	2. 00

OWEN COUNTY—Continued

Township	Lime-stone
Jennings	\$1. 00
Lafayette	1. 80
Marion	1. 80
Montgomery	1. 70
Morgan	1. 80
Taylor	1. 80
Washington	1. 60
Wayne	1. 60

PARKE COUNTY

Township	Lime-stone	Marl
Adams	\$1. 80	\$1. 40
Florida	1. 90	1. 40
Greene	1. 60	1. 20
Howard	1. 70	1. 30
Jackson	1. 60	1. 20
Liberty	2. 00	1. 50
Penn	1. 80	1. 40
Raccoon	1. 60	1. 20
Reserve	1. 90	1. 40
Sugar Creek	1. 90	1. 40
Union	1. 60	1. 20
Wabash	1. 80	1. 40
Washington	1. 80	1. 40

PERRY COUNTY

Anderson	\$1. 80	\$0. 80
Clark	1. 90	. 80
Leopold	1. 60	. 80
Oil	1. 60	. 80
Tobin	1. 80	. 80
Troy	1. 80	. 80
Union	1. 60	. 80

PIKE COUNTY

Township	Lime-stone
Clay	\$2. 30
Jefferson	1. 90
Lockhart	2. 30
Logan	2. 30
Madison	2. 30
Marion	2. 00
Monroe	2. 30
Patoke	2. 30
Washington	2. 00

PORTER COUNTY

Township	Lime-stone	Marl
All townships	\$1. 60	\$0. 80

POSEY COUNTY

All townships	\$2. 20	\$1. 60
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PULASKI COUNTY

Township	Lime-stone	Marl
Beaver	\$2. 30	\$0. 80
Cass	2. 40	. 80
Franklin	2. 50	. 80
Harrison	2. 10	. 80
Indian Creek	2. 00	. 80
Jefferson	2. 30	. 80
Monroe	2. 30	. 80
Rich Grove	2. 40	. 80
Salem	1. 60	. 80
Tippecanoe	2. 10	. 80
Van Buren	1. 70	. 80
White Post	2. 50	. 80

PUTNAM COUNTY

Township	Lime-stone
Clinton	\$1. 40
Cloverdale	1. 30
Floyd	1. 40
Franklin	1. 50
Greencastle	1. 30
Jackson	1. 60
Jefferson	1. 40
Madison	1. 40
Marion	1. 40
Monroe	1. 40
Russell	1. 60
Warren	1. 30
Washington	1. 40

RANDOLPH COUNTY

Township	Lime-stone	Marl
Franklin	\$1. 80	\$1. 40
Green	. 90	. 70
Greensfork	2. 30	1. 40
Jackson	1. 80	1. 40
Monroe	1. 00	. 70
Nettle Creek	2. 10	1. 40
Stoney Creek	1. 90	1. 40
Ward	2. 00	1. 40
Washington	1. 90	1. 40
Wayne	1. 90	1. 40
West River	2. 10	1. 40
White River	1. 90	1. 40

RIPLEY COUNTY

Township	Lime-stone	Marl
Adams	\$1. 50	\$0. 80
Brown	1. 70	. 80
Center	1. 30	. 80
Delaware	1. 50	. 80
Franklin	1. 60	. 80
Jackson	1. 30	. 80
Johnson	1. 50	. 80
Laughery	1. 50	. 80
Otter Creek	1. 50	. 80
Shelby	1. 70	. 80
Washington	1. 70	. 80

RUSH COUNTY

Township	Lime-stone
Anderson	\$1. 20
Center	1. 80
Jackson	1. 60
Noble	1. 70
Orange	1. 00
Posey	1. 50
Richland	1. 60
Ripley	1. 80
Rushville	1. 40
Union	1. 80
Walker	1. 20
Washington	2. 00

ST. JOSEPH COUNTY

Township	Lime-stone	Marl
Center	\$2. 20	\$1. 00
Clay-Harris	2. 10	1. 00
German-Portage	2. 10	1. 00
Greene	2. 10	1. 00
Liberty	2. 00	1. 00
Lincoln	2. 00	1. 00
Madison	2. 30	1. 00
Olive	2. 00	1. 00
Penn	2. 30	1. 00
Union	2. 20	1. 00
Warren	2. 10	1. 00

SCOTT COUNTY

Township	Lime-stone
All townships	\$1. 40

SHELBY COUNTY

Township	Lime-stone
Addison	\$2. 10
Brandywine	2. 10
Hanover	2. 10
Hendricks	2. 10
Jackson	1. 80
Liberty	2. 10
Marion	2. 10
Moral	2. 10
Noble	1. 60
Shebly	2. 10
Sugar Creek	2. 10
Union	2. 10
Van Buren	2. 10
Washington	1. 50

SPENCER COUNTY

Township	Lime-stone
Carter	\$2. 10
Clay	2. 10
Grass	2. 10
Hammond	2. 10
Harrison	1. 90
Huff	2. 10
Jackson	2. 10
Luce	2. 20
Ohio	2. 10

STARKE COUNTY

Township	Lime-stone	Marl
California.....	\$2. 10	\$0. 90
Center.....	2. 10	. 90
Davis.....	2. 10	1. 10
Jackson.....	2. 20	. 80
North Bend.....	2. 10	1. 10
Oregon.....	2. 30	1. 30
Railroad.....	2. 10	. 70
Washington.....	2. 10	1. 30
Wayne.....	2. 10	. 80

STEUBEN COUNTY

Clear Lake.....	\$2. 50	\$0. 90
Fremont.....	2. 50	. 80
Jackson.....	2. 50	. 80
Jamestown.....	2. 50	. 80
Millgrove.....	2. 50	. 80
Otsego.....	2. 50	. 90
Pleasant.....	2. 50	. 80
Richland.....	2. 50	. 90
Salem.....	2. 50	1. 10
Scott.....	2. 50	. 90
Steuben.....	2. 50	. 90
York.....	2. 50	. 90

SULLIVAN COUNTY

Township	Lime-stone
Cass.....	\$2. 00
Curry.....	2. 30
Fairbank.....	2. 30
Gill.....	2. 20
Hadden.....	2. 20
Hamilton.....	2. 00
Jackson.....	2. 30
Jefferson.....	2. 20
Turman.....	2. 20

SWITZERLAND COUNTY

Cotton.....	\$2. 00
Craig.....	2. 00
Jefferson.....	2. 00
Pleasant.....	1. 90
Posey.....	2. 10
York.....	2. 10

TIPPECANOE COUNTY

Township	Lime-stone	Marl
Fairfield.....	\$2. 30	\$1. 40
Jackson.....	2. 40	1. 40
Lauramie.....	2. 60	1. 40
Perry.....	2. 40	1. 40
Randolph.....	2. 20	1. 40
Sheffield.....	2. 50	1. 40

TIPPECANOE COUNTY—Con.

Township	Lime-stone	Marl
Shelby.....	\$2. 20	\$1. 40
Tippecanoe.....	2. 20	1. 40
Union.....	2. 50	1. 40
Wabash.....	2. 30	1. 40
Washington.....	2. 40	1. 40
Wayne.....	2. 60	1. 40
Wea.....	2. 40	1. 40

TIPTON COUNTY

Township	Lime-stone
Cicero.....	\$2. 00
Jefferson.....	2. 00
Liberty.....	1. 70
Madison.....	1. 80
Prairie.....	1. 70
Wildcat.....	1. 90

UNION COUNTY

Brownsville.....	\$2. 30
Center.....	2. 00
Harmony.....	2. 30
Harrison.....	1. 80
Liberty.....	2. 00
Union.....	2. 00

VANDERBURG COUNTY

Township	Lime-stone	Marl
All townships.....	\$2. 30	\$1. 80

VERMILLION COUNTY

Clinton.....	\$2. 20	\$1. 70
Eugene.....	2. 20	1. 50
Helt.....	2. 20	1. 60
Highland.....	2. 20	1. 30
Vermillion.....	2. 20	1. 40

VIGO COUNTY

Township	Lime-stone
Fayette.....	\$1. 90
Harrison.....	1. 70
Honey Creek.....	1. 80
Linton.....	1. 80
Lost Creek.....	1. 60
Nevins.....	1. 70
Otter Creek.....	1. 70
Pierson.....	1. 80
Prairie Creek.....	1. 90
Prairieton.....	1. 80
Riley.....	1. 70
Sugar Creek.....	1. 90

WABASH COUNTY

Township	Lime-stone	Marl
Chester	\$1. 60	\$0. 80
Lagro	1. 50	. 80
Liberty	1. 70	. 80
Noble	1. 80	. 80
Paw Paw	1. 70	. 80
Pleasant	1. 90	. 80
Waltz	1. 50	. 80

WARREN COUNTY

Adams	\$2. 20	\$1. 60
Jordan	2. 10	1. 60
Kent	2. 00	1. 60
Liberty	2. 10	1. 60
Medina	2. 40	1. 60
Mound	2. 00	1. 60
Pike	2. 00	1. 60
Pine	2. 20	1. 60
Prairie	2. 20	1. 60
Steuben	2. 00	1. 60
Warren	2. 20	1. 60
Washington	2. 20	1. 60

WARRICK COUNTY

Township	Lime-stone
Anderson	\$2. 10
Boon	2. 10
Campbell	2. 10
Greer	2. 10
Hart	2. 00
Lane-Owen	2. 30
Ohio	2. 10
Pigeon	2. 30
Skelton	2. 30

WASHINGTON COUNTY

Township	Lime-stone	Marl
Brown	\$1. 30	\$0. 80
Franklin	1. 40	. 80
Gibson	1. 40	. 80
Howard	1. 10	. 80
Jackson	1. 30	. 80
Jefferson	1. 60	. 80
Madison	1. 10	. 80
Monroe	1. 60	. 80
Pierce	1. 50	. 80
Polk	1. 50	. 80
Posey	1. 10	. 80
Vernon	1. 20	. 80
Washington	1. 10	. 80

WAYNE COUNTY

Town	Lime-stone	Marl
Abington	\$2. 10	\$1. 40
Boston	1. 80	1. 40
Center	2. 00	1. 40
Clay	2. 30	1. 40
Dalton	2. 10	1. 40
Franklin	2. 10	1. 40
Green	2. 30	1. 40
Harrison	2. 10	1. 40
Jackson	2. 10	1. 40
Jefferson	2. 10	1. 40
New Garden	2. 20	1. 40
Perry	2. 10	1. 40
Washington	2. 30	1. 40
Wayne	1. 80	1. 40
Webster	2. 00	1. 40

WELLS COUNTY

Township	Lime-stone
Chester	\$1. 30
Harrison	1. 20
Jackson	1. 50
Jefferson	1. 30
Lancaster	1. 10
Liberty	1. 20
Nottingham	1. 10
Rock Creek	1. 20
Union	1. 30

WHITE COUNTY

Big Creek	\$1. 60
Cass	1. 70
Honey Creek	1. 50
Jackson	1. 60
Liberty	1. 60
Lincoln	1. 50
Monon	1. 30
Prairie	1. 60
Princeton	1. 80
Round Grove	1. 90
Union	1. 60
West Point	1. 80

WHITLEY COUNTY

Township	Lime-stone	Marl
Cleveland	\$1. 60	\$0. 80
Columbia	1. 60	. 80
Etna-Troy	1. 80	. 80
Jefferson	1. 40	. 80
Richland	1. 70	. 80
Smith	1. 80	. 80
Thorn Creek	1. 70	. 80
Union	1. 60	. 80
Washington	1. 40	. 80

UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL ADJUSTMENT AGENCY

Washington, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

NORTH CENTRAL REGION

A
IOWA COMMITTEEMAN'S PRACTICE HANDBOOK

The 1945 Farm Program is designed to assist the farmers of Iowa to the fullest possible extent in protecting their soils against damage from erosion and loss of fertility.

The county committee, with the approval of the State committee, may designate those practices which will be approved for payment in the county in order that the farm allowance will be used most effectively to bring about increased conservation, or the county committee may specify for any group of farms a proportion of the farm allowance which may be earned only by carrying out certain designated practices which are very much needed.

A. CONSERVATION PRACTICE ALLOWANCE

The practice allowance is the maximum amount of payment that may be made for carrying out approved conservation practices.

(1) The allowance for the special Contouring Intertilled Crops practice shall be the extent of the practice times the approved rate.

(2) The allowance for the special Ditches for Tile Drainage practice shall be an amount equal to the regular allowance computed under item (3).

(3) The allowance for regular practices shall be the sum of the following, or \$15.00, whichever is greater:

- (a) 50 cents times the acreage classified as cropland.
- (b) 50 cents times the acreage classified as noncrop open pasture.
- (c) \$2.00 times the acreage classified as commercial orchards.

B. CONSERVATION PRACTICES

The practices available for 1945 are those which are most needed in order to conserve and improve soil fertility, improve pasture land, prevent wind and water erosion, and promote conservation and better utilization of water. Assistance will be available through the conservation practice allowance for carrying out the following practices during the program year January 1, 1945 through December 31, 1945. To qualify for payment, each practice must be carried out in accordance with the specifications for that practice and be in keeping with good farming practices for the locality.

The total extent of any practice performed shall be reduced for purposes of payment by the percentage of the total cost of the practice which the county committee determines was furnished by a State or Federal agency. The extent of any practice shall not be reduced because a portion of the cost is represented by materials or services furnished by the A. A. A., or equipment furnished by S. C. S., or materials or services furnished by an agency of a State or political

subdivision thereof to another agency or political subdivision of the same State, or trees purchased from a Clark-McNary Cooperative State Nursery.

All **special practices** listed under this section are designated by asterisks (**). Practices not designated as special practices will be considered as **regular practices**:

(1) ****Contour farming intertilled crops.**—Contour farming of intertilled crops, provided the crop stubble is left standing or a good stand of a winter cover crop is obtained. Credit will not be given for this practice on land which has a slope of less than 2 percent. If there is danger of erosion in waterways, such waterways must be permanently established in sod and buffer strips must be established if necessary. No credit will be given for this practice for any acreage qualifying under the Contour Stripcropping practices.—**\$1.50 per acre.**

(2) **Contour seeding.**—Contour seeding of small grain crops, sorghums, millet, and soybeans. All operations in connection with the seeding **must** be on the contour. If there is danger of erosion in waterways, such waterways must be permanently established in sod. No credit will be given for this practice for any acreage qualifying under the Contour Stripcropping practices.—**\$0.50 per acre.**

(3) **Establishing contour stripcropping.**—By growing alternate strips of intertilled crops with sown, close-drilled, or sod crops, on the contour; *Provided*, (1) The strips are approximately the same width; (2) the strips are not less than 1 rod nor more than 20 rods in width; and (3) the crop stubble is left standing or a good stand of winter cover crop is obtained. Buffer strips must be at least 1 rod in width.—**\$2.50 per acre.**

(4) **Maintaining contour stripcropping.**—Maintaining contour stripcropping previously established by growing alternate strips of intertilled crops with sown, close-drilled, or sod crops, on the contour; *Provided*, (1) The strips are approximately the same width; (2) the strips are not less than 1 rod nor more than 20 rods in width; and (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained. When in the normal course of crop rotation it is necessary to have two adjacent strips of sown, close-drilled or sod crops, payment will be made for the entire field. Buffer strips must be at least 1 rod in width.—**\$1 per acre.**

(5) **Standard and diversion terraces.**—With prior approval of the county committee, construction of standard or diversion terraces for which proper outlets are provided. The terraces must be constructed to conform with the specifications for standard or diversion terraces as recommended by the U. S. Department of Agriculture.—**\$1 per 100 lin. ft.**

(6) **Establishing sod waterways.**—Establishing a permanent sod waterway on any cropland where a permanent vegetative cover is necessary in a waterway channel or terrace outlet, or in cultivated orchards. The channel of the waterway must be sufficiently wide to carry the run-off from the drainage area and must be at least 10 feet wide at the narrowest point. The channel must contain perennial grasses and a good vegetative growth obtained.—**\$0.75 per 1,000 sq. ft.**

(7) **Maintaining sod waterways.**—Maintaining an established sod waterway at least 10 feet in width at the narrowest point in a field

which is devoted to intertilled crops, by lifting the plow when the waterway is crossed, mowing, sodding or reseeding breaks in the sod, protecting from damage by livestock, and by use of other practices necessary to maintain a good vegetative cover. No credit will be given for this practice for any waterway for which credit is given under practice (6).—**\$0.25 per 1,000 sq. ft.**

(8) **Seeding of depleted pasture on land designated as noncrop open pasture.**—Lime or fertilizer must be applied as needed and the land must be disked or springtoothed sufficiently to prepare a good seed bed:

(a) Seedings consisting solely of timothy, lespedeza, red top, sweet clover, or mixture of these crops.—**\$0.10 per pound.**

(b) Seedings consisting of adapted pasture grasses, perennial or biennial legumes (except sweet clover) or approved pasture mixtures.—**\$0.25 per pound.**

(9) **Mowing weeds.**—Mowing weeds on pasture land a sufficient number of times during the growing season to prevent weed seed formation and improve the stand of grasses and legumes, and by carrying out such other pasture improvement practices as the county committee may require. No hay or seed crop may be taken from the acreage.—**\$0.50 per acre per mowing.**

(10) **Dams for livestock water or erosion control.**—With prior approval of the county committee, construction of earthen, concrete, or masonry dams and reservoirs. Earthen dams must be constructed with minimum slopes of 3 to 1 on the upstream side and 2 to 1 on the downstream side, and must have a crown width of 1 foot for every foot in height of fill, but not more than 10 feet. Dams of 10 feet or less in height must have a minimum free board of 3 feet. Dams over 10 feet in height must have a minimum free board of 4 feet. Spillways must be of sufficient width to carry the expected overflow from the drainage area. To qualify for credit the ponds must have a minimum depth of 6 feet at the deepest point. The dam must be fenced to exclude livestock and the water must be piped to a stockwater tank, or where this is impracticable, a small arm of the pond may be permitted to extend beyond the fenced area, or chutes or other means of making the water available to livestock may be approved by the county committee provided such methods do not permit access of the stock to the pond proper. A protective strip of sod, 2 rods in width, must be established around the entire pond. Dams constructed solely for the purpose of erosion control need not be provided with a means of making the water available to livestock.

(a) For earth or other material moved

Not over 2,000 cu. yds.—**\$0.15 per cubic yard.**

In excess of 2,000 cu. yds.—**\$0.10 per cubic yard.**

(b) For concrete or masonry.—**\$9.00 per cubic yard.**

(c) For Rubble Masonry.—**\$6.00 per cubic yard.**

(11) **Green manure crops.**—Disking or plowing under a good stand and a good growth of the following crops. If the land is subject to erosion and the green manure is turned under in the fall, the land must be protected by a winter cover crop.—**\$1.50 per acre:**

(a) Alsike or red clover seeded in the spring of 1944 and turned under in the fall of 1945.

(b) Mammoth clover seeded in the spring of 1945 and turned under in the fall.

(c) Winter rye seeded in the fall of 1944, except that acreage on which a 1944 winter cover crop payment was made.

(d) Sweet clover.

(12) **Farm ditches.**—With prior approval of the county committee, construction or cleaning out of farm ditches (except ditches constructed or maintained by a drainage district) including lateral and lead ditches; for which proper outlets are provided, and adequate provision is made for the entrance of water into and out of the ditches. The ditches must have sufficient capacity to remove the normal excess surface water. When practice allowances are pooled under an approved pooling agreement the \$5.00 per 100 lin. ft. limitation will be removed.—**\$0.08 per cu. yard** of material moved, but not in excess of **\$5.00 per 100 lin. ft.**

(13) ****Ditches for tile drainage.**—With prior approval of the county committee, excavation of ditches for the purpose of installation of tile drains, provided the size of tile, outlets and gradient meet the specifications for standard drainage as recommended by the United States Department of Agriculture. Not less than 75 percent of the area to be drained must be classified as cropland, and no part of the tile line is to be used for any purpose other than the draining of agricultural land.—**\$0.40 per rod.**

(14) **Harvesting hayseed.**—Harvesting for seed an acreage of alfalfa, red clover, alsike clover, white clover, sweet clover, and brome grass. Credit will not be given for more than 25 acres per farm.—**\$3.50 per acre.**

(15) **Weed control.**—With prior approval of the county committee, eradication or effective control of seriously infested plots of the following perennial noxious weeds: **Canada thistle, European bindweed, leafy spurge, perennial pepper grass, and perennial sow thistle.** Payment for this practice may be approved only on farms where approved weed control measures are being carried out on all adjacent infested farms and contiguous land, where the infestation is limited to a single farm, or where the county committee determines there is no likelihood of reinfestation from adjacent or contiguous land.

(a) By use of sodium chlorate or other chemicals.—**\$0.10 per pound.**

(b) By clean tillage.—**\$10 per acre.**

(16) **Tree planting.**—Prior approval of the site and the variety of the tree to be planted must be obtained from the county committee. The plantings must be made in accordance with good tree culture and the new planting must be protected from fire and grazing. The following varieties of trees may be approved for payment provided they are adapted to the particular soil type, climatic conditions, moisture conditions, and site: Eastern white pine, eastern red cedar, white oak, red oak, black oak, walnut, shagbark hickory, white ash, green ash, red maple, red pine, yellow poplar, black walnut, black locust, osage orange, and hardy catalpa.

(a) Planting for forest purposes or gully control.—**\$1 per 100 trees**, but not in excess of **\$7.50 per acre.**

(b) Planting for windbreak purposes.—**\$2 per 100 trees.**

(17) **Tree maintenance.**—Maintaining a good stand of at least 300 forest trees per acre, or for windbreak purposes, a good stand of 250 trees per acre, planted between January 1, 1940, and January 1,

1945, by cultivating sufficiently to control other vegetation, protecting from fire and livestock and replanting if necessary.—\$3 per acre.

(18) **Mulching.**—Application of straw and hay in commercial orchards, in vineyards, on commercial vegetable land, on potato land, on strawberries or other small fruit.—\$3 per ton.

(19) **Liming materials** (credit rates are contained in NCR-901-Ia.; Supplement (1)).—Application of the following materials:

(a) **One ton of agricultural ground limestone** containing at least 80 percent calcium carbonate equivalent and ground sufficiently fine so that 80 percent including all of the finer particles obtained in the grinding process, will pass thru an 8-mesh sieve. The moisture content at the time of shipment must not exceed 8 percent. The specifications for calcium carbonate content and percent of material passing thru an 8-mesh sieve must be such that the multiplication of these specifications will be equal to or in excess of 0.72. If the ground limestone will not qualify with respect to either fineness or calcium carbonate content, or both, the county committee must require a correspondingly greater amount of material.

(b) **One ton of calcium carbide refuse lime** containing at least 85 percent calcium carbonate, and testing not more than 25 percent moisture at the shipping point. A correspondingly greater amount of material must be required if the material does not meet the specifications.

(c) **One cubic yard of water-softening process lime.**

(d) **One cubic yard of calcareous clay.**

(e) **One ton of button dust.**

(f) **One ton of hydrated lime.**

(20) **Fertilizers.**—Application of **superphosphate, colloidal phosphate, rock phosphate, or potash**, when such material is applied (1) to **new seedings** of biennial or perennial legumes, perennial grasses, winter legumes, lespedeza, or permanent pasture (no credit will be given for materials furnished by the AAA applied to a new seeding if wheat is used as a nurse crop); (2) as a top dressing to **old stands** of biennial and perennial legumes, perennial grasses, or permanent pasture, provided the acreage on which such applications are made is not devoted to, cultivated for, or plowed for any other crop during the program year; (3) to **green manure crops** in orchards.

(a) Application of superphosphate or defluorinated phosphate rock.—\$5.25 per 100 lbs. of P_2O_5 .

(b) Application of rock phosphate or colloidal phosphate.—\$0.60 per 100 lbs.

(c) Application of potash.—\$3.35 per 100 lbs. of K_2O .

(d) 100 lbs. of 0-9-27-----	\$1.35	(n) 100 lbs. of 2-12-6-----	\$0.85
(e) 100 lbs. of 0-10-20-----	1.20	(o) 100 lbs. of 3-9-18-----	1.05
(f) 100 lbs. of 0-12-12-----	1.05	(p) 100 lbs. of 3-12-12-----	1.05
(g) 100 lbs. of 0-14-7-----	.95	(q) 100 lbs. of 3-18-9-----	1.25
(h) 100 lbs. of 0-14-14-----	1.20	(r) 100 lbs. of 4-10-6-----	.70
(i) 100 lbs. of 0-18-0-----	.95	(s) 100 lbs. of 4-12-4-----	.75
(j) 100 lbs. of 0-19-0-----	1.00	(t) 100 lbs. of 4-16-0-----	.85
(k) 100 lbs. of 0-20-0-----	1.05	(u) 100 lbs. of 4-16-4-----	.95
(l) 100 lbs. of 0-20-10-----	1.40	(v) 100 lbs. of 10-6-4-----	.45
(m) 100 lbs. of 0-20-20-----	1.70		

C. DEFINITIONS

(1) **Farms.**—Farm means all adjacent or nearby farm land under the same ownership which is operated by one person, including also:

(a) Any other adjacent or nearby farm land which the county committee, in accordance with instructions issued by the Agricultural Adjustment Agency, determines is operated by the same person as part of the same unit with

respect to the rotation of crops and with workstock, farm machinery, and labor substantially separate from that for any other lands; and

(b) Any field-rented tract (whether operated by the same or another person) which, together with any other land included in the farm, constitutes a unit with respect to the rotation of crops.

(c) A farm shall be regarded as located in the county in which the principal dwelling is situated, or if there is no dwelling thereon, it shall be regarded as located in the county in which the major portion of the farm is located.

(2) **Cropland.**—Cropland means farm land which in 1944 was tilled or was in regular rotation, excluding any land which constitutes, or will constitute if such tillage is continued, a wind-erosion hazard to the community, and excluding also, any land in commercial orchards.

(3) **Noncrop open pasture land.**—Noncrop open pasture land means pasture land (other than rotation pasture land) on which the predominant growth is forage suitable for grazing and on which the number or grouping of any trees or shrubs is such that the land could not fairly be considered as woodland.

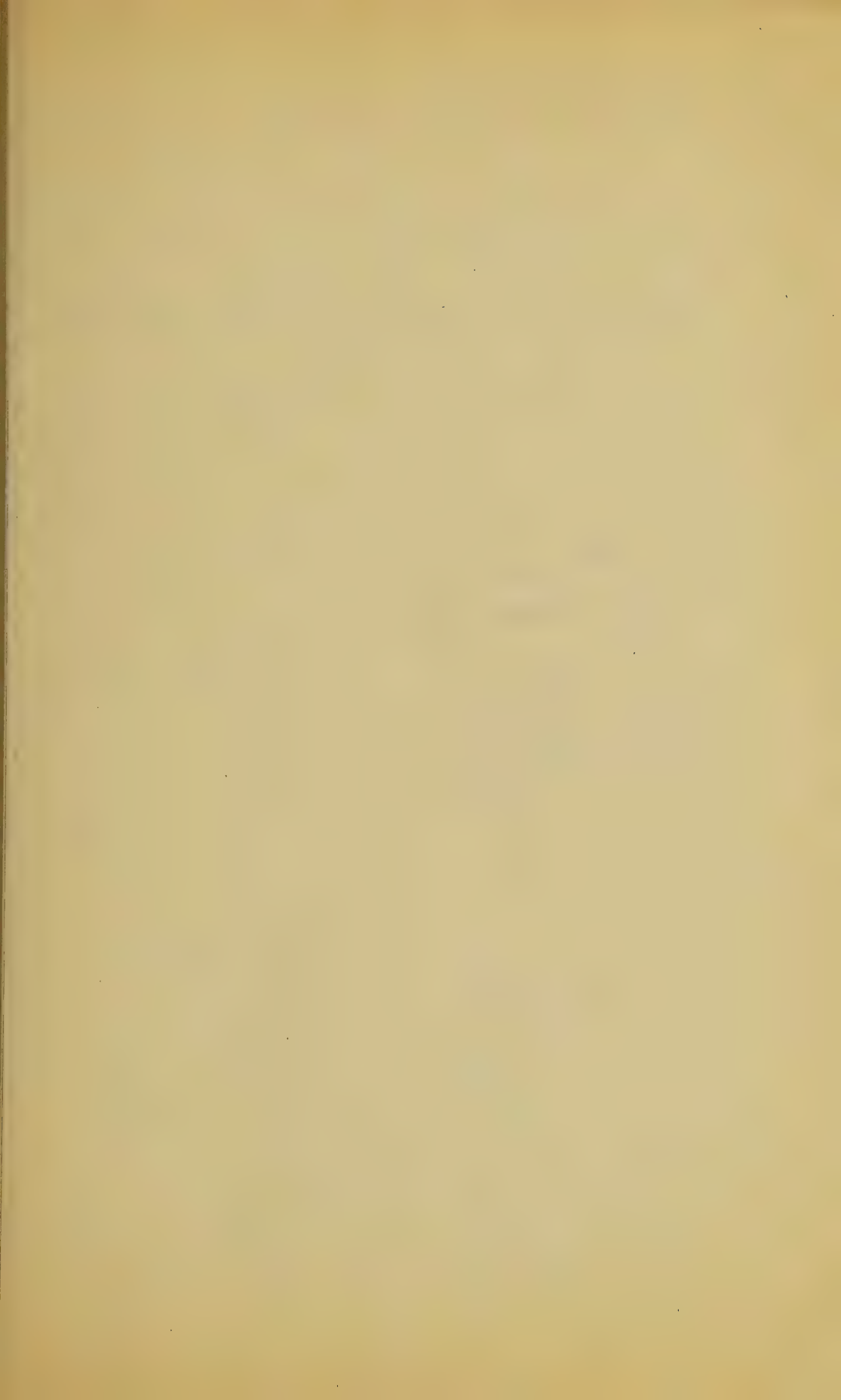
(4) **Commercial orchards.**—Commercial orchards means the acreage on the farm in planted or cultivated fruit trees, nut trees, vineyards, hops, or bush fruits (excluding nonbearing orchards and vineyards), from which the major portion of the production is normally sold.

(5) **Person.**—Person means an individual, partnership, association, corporation, estate, or trust, or other business enterprise or other legal entity, and wherever applicable, a State, a political subdivision of a State, or any agency thereof.

(6) **Producer.**—Producer means any person who as landlord, tenant, or sharecropper, participates in the operation of a farm.

D. POOLING OF PRACTICE ALLOWANCES

Producers in any local area may agree in writing with the approval of the State Committee to combine all or any part of their farm allowances for the performance of practice No. (12), Farm Ditches, provided their farms are benefited by the construction of the ditches. For purposes of payment the practice carried out under an approved written pooling agreement will be regarded as having been carried out on the farms of the producers who performed the practice.



U. S. DEPARTMENT OF AGRICULTURE

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UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL ADJUSTMENT AGENCY
WASHINGTON, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

NORTH CENTRAL REGION

SUPPLEMENT 1 TO IOWA COMMITTEEMAN'S PRACTICE HANDBOOK

1945 CREDIT RATES FOR LIMING MATERIALS—IOWA

Materials for which credit rates are the same throughout the State

Type of material	Credit rate
Calcium carbide refuse lime	\$1.40 per ton
Water-softening process lime	.70 per cu. yd.
Calcareous clay	.50 per cu. yd.
Button dust	1.90 per ton
Hydrated lime	4.00 per ton

CREDIT RATES PER TON FOR GROUND LIMESTONE BY COUNTY AND TOWNSHIP

ADAIR COUNTY		APPANOOSE COUNTY—Continued		BENTON COUNTY—Continued	
Eureka	\$1. 80	Lincoln	\$1. 60	Eldorado	\$1. 80
Grand River	1. 70	Pleasant	1. 60	Florence	1. 70
Grove	1. 40	Sharon	1. 50	Fremont	1. 60
Harrison	1. 50	Taylor	1. 60	Harrison	1. 50
Jackson	1. 90	Udell	1. 60	Homer	1. 60
Jefferson	1. 50	Union	1. 70	Iowa	2. 00
Lee	1. 60	Vermillion	1. 40	Jackson	1. 40
Lincoln	1. 60	Walnut	1. 50	Kane	1. 80
Orient	1. 90	Washington	1. 60	LeRoy	2. 00
Prussia	1. 60	Wells	1. 70	Monroe	1. 50
Richland	2. 00			Polk	1. 50
Summerset	1. 80			St. Clair	1. 90
Summit	1. 90	AUDUBON COUNTY		Taylor	1. 40
Union	1. 90			Union	1. 80
Walnut	1. 70				
Washington	2. 10				
ADAMS COUNTY		Audubon	\$1. 80	BLACK HAWK COUNTY	
All townships	\$2. 20	Cameron	2. 30	Barclay	\$1. 30
		Douglas	2. 30	Bennington	1. 40
		Exira	1. 90	Big Creek	1. 30
		Greeley	1. 90	Black Hawk	1. 50
		Hamlin	2. 00	Cedar	1. 30
		LeRoy	2. 20	Cedar Falls	1. 30
ALLAMAKEE COUNTY		Lincoln	2. 50	Eagle	1. 30
All townships	\$1. 30	Melville	2. 10	East Waterloo	1. 40
		Oakfield	2. 10	Fox	1. 40
		Sharon	2. 10	Lester	1. 40
		Viola	2. 20	Lincoln	1. 50
APPANOOSE COUNTY		BENTON COUNTY		Mt. Vernon	1. 30
Bellair	\$1. 50	Benton	\$1. 50	Orange	1. 40
Caldwell	1. 60	Big Grove	1. 50	Poyner	1. 20
Chariton	1. 70	Bruce	1. 50	Spring Creek	1. 50
Douglas	1. 50	Canton	1. 60	Union	1. 10
Franklin	1. 70	Cedar	1. 50	Washington	1. 10
Independence	1. 40	Eden	1. 50	West Waterloo	1. 40
Johns	1. 60				

BOONE COUNTY		BUENA VISTA COUNTY—Continued		CEDAR COUNTY	
Amaqua.....	\$2. 30	Newell.....	\$2. 40	Cass.....	\$1. 50
Beaver.....	2. 30	Nokomis.....	2. 70	Center.....	1. 40
Cass.....	2. 20	Poland.....	2. 20	Dayton.....	1. 50
Colfax.....	1. 80	Providence.....	2. 50	Fairfield.....	1. 50
Des Moines.....	1. 80	Scott.....	2. 50	Farmington.....	1. 60
Dodge.....	2. 00	Washington.....	2. 60	Fremont.....	1. 60
Douglas.....	2. 00			Gower.....	1. 40
Garden.....	1. 80	BUTLER COUNTY		Inland.....	1. 50
Grant.....	2. 30	Albion.....	\$1. 40	Iowa.....	1. 50
Harrison.....	1. 80	Beaver.....	1. 20	Linn.....	1. 60
Jackson.....	1. 60	Bennezette.....	1. 40	Massillon.....	1. 60
Marcy.....	2. 10	Butler.....	1. 20	Pioneer.....	1. 60
Peoples.....	2. 20	Coldwater.....	1. 30	Red Oak.....	1. 50
Pilot Mound.....	2. 20	Dayton.....	1. 30	Rochester.....	1. 50
Union.....	2. 30	Fremont.....	1. 40	Springdale.....	1. 50
Worth.....	1. 80	Jackson.....	1. 40	Springfield.....	1. 60
Yell.....	2. 10	Jefferson.....	1. 40	Sugar Creek.....	1. 60
		Madison.....	1. 40		
BREMER COUNTY		Monroe.....	1. 30	CERRO GORDO COUNTY	
Dayton.....	\$1. 40	Pittsford.....	1. 30	Bath.....	\$1. 50
Douglas.....	1. 30	Ripley.....	1. 40	Clear Lake.....	1. 60
Franklin.....	1. 40	Shell Rock.....	1. 30	Dougherty.....	1. 50
Frederika.....	1. 40	Washington.....	1. 30	Falls.....	1. 40
Fremont.....	1. 40	West Point.....	1. 40	Geneseo.....	1. 30
Jackson.....	1. 10			Grant.....	1. 50
Jefferson.....	1. 30	CALHOUN COUNTY		Grimes.....	1. 80
Lafayette.....	1. 00	Butler.....	\$2. 10	Lake.....	1. 50
LeRoy.....	1. 50	Calhoun.....	2. 30	Lime Creek.....	1. 40
Maxfield.....	1. 40	Cedar.....	2. 00	Lincoln.....	1. 50
Polk.....	1. 30	Center.....	2. 10	Mason.....	1. 40
Sumner.....	1. 50	Elm Grove.....	2. 40	Mount Vernon.....	1. 60
Warren.....	1. 20	Garfield.....	2. 40	Owen.....	1. 50
Washington.....	1. 20	Greenfield.....	2. 00	Pleasant Valley.....	1. 50
BUCHANAN COUNTY		Jackson.....	2. 40	Portland.....	1. 40
Buffalo.....	\$1. 40	Lake Creek.....	2. 30	Union.....	1. 70
Byron.....	1. 40	Lincoln.....	1. 90		
Cono.....	1. 40	Logan.....	2. 10	CHEROKEE COUNTY	
Fairbank.....	1. 30	Reading.....	2. 30	All townships.....	\$2. 60
Fremont.....	1. 40	Sherman.....	2. 00		
Hazelton.....	1. 40	Twin Lakes.....	2. 30	CHICKASAW COUNTY	
Homer.....	1. 40	Union.....	2. 30	Bradford.....	\$1. 20
Jefferson.....	1. 50	Williams.....	2. 30	Chickasaw.....	1. 20
Liberty.....	1. 30			Dayton.....	1. 30
Madison.....	1. 30	CARROLL COUNTY		Deerfield.....	1. 40
Middlefield.....	1. 40	All townships.....	\$2. 30	Dresden.....	1. 50
Newton.....	1. 40			Fredericksburg.....	1. 50
Perry.....	1. 20	CASS COUNTY		Jacksonville.....	1. 50
Sumner.....	1. 20	Bear Grove.....	\$2. 20	New Hampton.....	1. 50
Washington.....	1. 40	Benton.....	2. 00	Richland.....	1. 40
Westburg.....	1. 30	Brighton.....	2. 30	Stapleton.....	1. 30
		Cass.....	2. 00	Utica.....	1. 30
BUENA VISTA COUNTY		Edna.....	2. 20	Washington.....	1. 40
Barnes.....	\$2. 50	Franklin.....	1. 90		
Brooke.....	2. 60	Grant.....	1. 80	CLARKE COUNTY	
Coon.....	2. 40	Grove.....	2. 00	Doyle.....	\$1. 60
Elk.....	2. 70	Lincoln.....	1. 80	Franklin.....	1. 90
Fairfield.....	2. 10	Massena.....	1. 90	Fremont.....	1. 50
Grant.....	2. 50	Noble.....	2. 00	Green Bay.....	1. 80
Hayes.....	2. 60	Pleasant.....	1. 90	Jackson.....	1. 70
Lee.....	2. 40	Pymosa.....	2. 20	Knox.....	1. 70
Lincoln.....	2. 30	Union.....	2. 10	Liberty.....	1. 80
Maple Valley.....	2. 70	Victoria.....	2. 10		
		Washington.....	2. 20		

CLARKE COUNTY—
Continued

Madison	\$1. 60
Osceola	1. 50
Troy	1. 60
Ward	1. 50
Washington	1. 50

CLAY COUNTY

All townships	\$2. 50
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CLAYTON COUNTY

Boardman	\$1. 20
Buena Vista	1. 50
Cass	1. 30
Clayton	1. 50
Cox Creek	1. 20
Elk	1. 40
Farmersburg	1. 40
Garnavillo	1. 50
Giard	1. 30
Grand Meadow	1. 40
Highland	1. 20
Jefferson	1. 50
Lodomillo	1. 30
Mallory	1. 30
Marion	1. 20
Mendon	1. 50
Millville	1. 40
Monona	1. 40
Read	1. 40
Sperry	1. 40
Volga	1. 30
Wagner	1. 20

CLINTON COUNTY

Bloomfield	\$1. 50
Brookfield	1. 50
Camanche	1. 50
Center	1. 70
Deep Creek	1. 50
DeWitt	1. 50
Eden	1. 50
Elk River	1. 50
Grant	1. 50
Hampshire	1. 50
Liberty	1. 50
Lincoln	1. 50
Olive	1. 50
Orange	1. 50
Sharon	1. 50
Spring Rock	1. 60
Spring Valley	1. 50
Washington	1. 50
Waterford	1. 50
Welton	1. 50

CRAWFORD COUNTY

All townships	\$2. 50
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DALLAS COUNTY

Adams	\$1. 50
Adel	1. 90
Beaver	2. 10

DALLAS COUNTY—
Continued

Boone	\$1. 70
Colfax	1. 80
Dallas	2. 30
Des Moines	2. 20
Grant	2. 10
Lincoln	2. 10
Linn	2. 00
Spring Valley	2. 10
Sugar Grove	2. 10
Union	1. 70
Van Meter	1. 70
Walnut	2. 10
Washington	2. 00

DAVIS COUNTY

Cleveland	\$1. 80
Drakesville	1. 80
Fabius	1. 70
Fox River	1. 70
Grove	1. 80
Lick Creek	1. 80
Marion	1. 70
Perry	1. 80
Prairie	1. 70
Roscoe	1. 80
Salt Creek	1. 60
Soap Creek	1. 90
Union	1. 60
West Grove	1. 70
Wyacondah	1. 80

DECATUR COUNTY

Bloomington	\$1. 60
Burrell	1. 50
Center	1. 70
Decatur	1. 50
Eden	1. 80
Fayette	1. 80
Franklin	1. 80
Garden Grove	1. 90
Grand River	1. 60
Hamilton	1. 90
High Point	1. 80
Long Creek	1. 60
Morgan	2. 10
New Buda	1. 70
Richland	1. 50
Woodland	2. 10

DELAWARE COUNTY

Adams	\$1. 30
Bremen	1. 30
Coffins Grove	1. 30
Colony	1. 40
Delaware	1. 30
Delhi	1. 30
Elk	1. 40
Hazel Green	1. 30
Honey Creek	1. 30
Milo	1. 30
North Fork	1. 30
Oneida	1. 30
Prairie	1. 40

DELAWARE COUNTY
—Continued

Richland	\$1. 30
South Fork	1. 30
Union	1. 30

DES MOINES COUNTY

Augusta	\$1. 60
Benton	1. 70
Concordia	1. 60
Danville	1. 60
Flint River	1. 50
Franklin	1. 60
Huron	1. 80
Jackson	1. 80
Pleasant Grove	1. 50
Tama	1. 50
Union	1. 50
Washington	1. 80
Yellow Springs	1. 80

DICKINSON COUNTY

All townships	\$2. 60
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DUBUQUE COUNTY

Cascade	\$1. 30
Center	1. 20
Concord	1. 30
Dodge	1. 40
Dubuque	1. 20
Iowa	1. 40
Jefferson	1. 40
Liberty	1. 40
Mosalem	1. 40
New Wine	1. 50
Peru	1. 40
Prairie Creek	1. 50
Table Mound	1. 30
Taylor	1. 40
Vernon	1. 50
Washington	1. 30
Whitewater	1. 40

EMMET COUNTY

All townships	\$2. 50
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FAYETTE COUNTY

Auburn	\$1. 20
Banks	1. 40
Bethel	1. 40
Center	1. 30
Clermont	1. 50
Dover	1. 40
Eden	1. 20
Fairfield	1. 20
Fremont	1. 40
Harlan	1. 30
Illyria	1. 30
Jefferson	1. 40
Oran	1. 40
Pleasant Valley	1. 30
Putnam	1. 30
Scott	1. 40

FAYETTE COUNTY—
Continued

Smithfield.....	\$1. 20
Union.....	1. 30
Westfield.....	1. 20
Windsor.....	1. 30

FLOYD COUNTY

All townships.....	\$1. 40
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FRANKLIN COUNTY

Geneva.....	\$1. 50
Grant.....	1. 50
Hamilton.....	1. 60
Ingham.....	1. 50
Lee.....	1. 50
Marion.....	1. 60
Morgan.....	1. 70
Mott.....	1. 50
Oakland.....	1. 60
Osceola.....	1. 50
Reeve.....	1. 50
Richland.....	1. 70
Ross.....	1. 60
Scott.....	1. 70
West Fork.....	1. 50
Wisner.....	1. 80

FREMONT COUNTY

Benton.....	\$1. 80
Fisher.....	1. 80
Green.....	1. 60
Locust Grove.....	2. 00
Madison.....	1. 90
Monroe.....	1. 80
Prairie.....	1. 80
Riverside.....	1. 80
Riverton.....	1. 80
Scott.....	1. 50
Sidney No. 1.....	1. 70
Sidney No. 2.....	1. 80
Walnut.....	1. 80
Washington.....	1. 80

GREENE COUNTY

All townships.....	\$2. 30
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GRUNDY COUNTY

Beaver.....	1. 50
Black Hawk.....	1. 40
Clay.....	1. 40
Colfax.....	1. 50
Fairfield.....	1. 40
Felix.....	1. 40
German.....	1. 30
Grant.....	1. 50
Lincoln.....	1. 50
Melrose.....	1. 40
Palermo.....	1. 40
Pleasant Valley.....	1. 40
Shiloh.....	1. 40
Washington.....	1. 40

GUTHRIE COUNTY

Baker.....	\$2. 00
Bear Grove.....	2. 10
Beaver.....	1. 60
Cass.....	2. 10
Dodge.....	2. 20
Grant.....	1. 90
Highland.....	2. 30
Jackson.....	1. 80
Orange.....	2. 40
Penn-Stuart.....	1. 60
Richland.....	2. 30
Seely.....	2. 10
Thompson.....	1. 80
Union.....	2. 20
Valley.....	1. 80
Victory.....	2. 00

HAMILTON COUNTY

Blairsburg.....	\$1. 80
Cass.....	2. 10
Clear Lake.....	2. 00
Ellsworth.....	1. 80
Freedom.....	2. 20
Fremont.....	2. 20
Hamilton.....	2. 20
Independence.....	2. 30
Liberty.....	2. 00
Lincoln.....	2. 00
Lyon.....	2. 00
Marion.....	2. 20
Rose Grove.....	1. 80
Scott.....	1. 90
Webster.....	2. 30
Williams.....	1. 60

HANCOCK COUNTY

Amsterdam.....	\$2. 00
Avery.....	1. 80
Bingham.....	1. 90
Boone.....	2. 10
Britt.....	1. 80
Concord.....	1. 60
Crystal.....	1. 80
Ell.....	1. 70
Ellington.....	1. 60
Erin.....	1. 90
Garfield.....	1. 70
Liberty.....	1. 80
Madison.....	1. 70
Magor.....	2. 20
Orthel.....	2. 00
Twin Lakes.....	1. 80

HARDIN COUNTY

Alden.....	\$1. 40
Buckeye.....	1. 50
Clay.....	1. 60
Concord.....	1. 90
Eldora.....	1. 50
Ellis.....	1. 40
Etna.....	1. 40
Grant.....	1. 70
Hardin.....	1. 20
Jackson.....	1. 40

HARDIN COUNTY—
Continued

Pleasant.....	\$1. 70
Providence.....	1. 50
Sherman.....	1. 70
Tipton.....	1. 50
Union.....	1. 30

HARRISON COUNTY

All townships.....	\$2. 50
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HENRY COUNTY

Baltimore.....	\$1. 60
Canaan.....	1. 80
Center.....	1. 50
Jackson.....	1. 50
Jefferson.....	1. 90
Marion.....	1. 70
New London.....	1. 50
Salem.....	1. 60
Scott.....	1. 90
Tippecanoe.....	1. 60
Trenton.....	1. 80
Wayne.....	1. 90

HOWARD COUNTY

Afton.....	\$1. 30
Albion.....	1. 30
Chester.....	1. 30
Forest City.....	1. 20
Howard.....	1. 30
Howard Center.....	1. 30
Jamestown.....	1. 30
New Oregon.....	1. 30
Oak Dale.....	1. 40
Paris.....	1. 30
Saratoga.....	1. 30
Vernon Springs.....	1. 20

HUMBOLDT COUNTY

Avery.....	\$1. 50
Beaver.....	2. 00
Corinth.....	1. 80
Delana.....	1. 90
Grove.....	2. 00
Humboldt.....	2. 20
Lake.....	2. 20
Norway.....	2. 20
Rutland.....	1. 80
Vernon.....	2. 30
Wacousta.....	1. 70
Weaver.....	1. 50

IDA COUNTY

All townships.....	\$2. 50
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IOWA COUNTY

Dayton.....	\$2. 10
English.....	1. 90
Fillmore.....	1. 80
Greene.....	1. 60
Hartford.....	2. 20
Hilton.....	2. 00

IOWA COUNTY—Con.

Honey Creek	\$ 2. 20
Iowa	1. 80
Lenox	1. 80
Lincoln	2. 20
Marengo	2. 10
Pilot	2. 00
Sumner	2. 20
Troy	2. 00
Washington	2. 00
York	1. 80

JACKSON COUNTY

Bellevue	\$1. 60
Brandon	1. 60
Butler	1. 60
Fairfield	1. 60
Farmers Creek	1. 60
Iowa	1. 60
Jackson	1. 60
Maquoketa	1. 40
Monmouth	1. 40
Otter Creek	1. 50
Perry	1. 60
Prairie Springs	1. 30
Richland	1. 60
South Fork	1. 40
Tete Des Morts	1. 40
Union	1. 40
Van Buren	1. 40
Washington	1. 40

JASPER COUNTY

Buena Vista	\$1. 90
Clear Creek	2. 20
Des Moines	2. 00
Elk Creek	1. 70
Fairview	2. 00
Hickory Grove	1. 70
Independence	2. 30
Kellogg	2. 10
Lynn Grove	1. 80
Malaka	2. 10
Mariposa	1. 90
Mound Prairie	2. 10
Newton	2. 20
Palo Alto	2. 10
Poweshiek	2. 30
Richland	1. 90
Rock Creek	2. 00
Sherman	2. 30
Washington	2. 20

JEFFERSON COUNTY

Black Hawk	\$1. 80
Buchanan	1. 80
Cedar	1. 70
Center	1. 70
Des Moines	1. 60
Liberty	1. 50
Lockridge	1. 90
Locust Grove	1. 70
Penn	1. 80
Polk	1. 80
Round Prairie	1. 80
Walnut	1. 70

JOHNSON COUNTY

Big Grove	\$1. 60
Cedar	1. 60
Clear Creek	1. 30
East Lucas	1. 30
Fremont	1. 60
Graham	1. 40
Hardin	1. 50
Jefferson	1. 60
Liberty	1. 40
Lincoln	1. 50
Madison	1. 30
Monroe	1. 60
Newport	1. 40
Oxford	1. 50
Penn	1. 30
Pleasant Valley	1. 50
Scott	1. 40
Sharon	1. 40
Union	1. 30
Washington	1. 60
West Lucas	1. 30

JONES COUNTY

Cass	\$1. 50
Castle Grove	1. 50
Clay	1. 50
Fairview	1. 40
Greenfield	1. 50
Hale	1. 50
Jackson	1. 50
Lovell	1. 40
Madison	1. 50
Oxford	1. 50
Richland	1. 40
Rome	1. 50
Scotch Grove	1. 50
Washington	1. 40
Wayne	1. 50
Wyoming	1. 40

KEOKUK COUNTY

Adams	\$2. 00
Benton	1. 60
Clear Creek	1. 80
East Lancaster	2. 00
English River	2. 00
Jackson	1. 90
Lafayette	1. 90
Liberty	1. 80
Plank	2. 00
Prairie	1. 90
Richland	1. 80
Sigourney	2. 00
Steady Run	1. 80
Van Buren	1. 90
Warren	1. 70
Washington	1. 80
West Lancaster	1. 90

KOSSUTH COUNTY

Buffalo	\$2. 10
Burt	2. 20
Cresco	2. 20
Eagle	2. 50

KOSSUTH COUNTY—
Continued

Fenton	\$2. 40
Garfield	1. 80
German	2. 10
Grant	2. 40
Greenwood	2. 30
Harrison	2. 40
Hebron	2. 40
Irvington	2. 20
Ledyard	2. 30
Lincoln	2. 20
Lotts Creek	2. 20
Luverne	2. 40
Plum Creek	2. 20
Portland	2. 20
Prairie	2. 20
Ramsey	2. 20
Riverdale	2. 00
Seneca	2. 50
Sherman	2. 20
Springfield	2. 40
Swea	2. 50
Union	2. 20
Wesley	2. 10
Whittemore	2. 10

LEE COUNTY

Cedar	\$1. 60
Charleston	1. 70
Denmark	1. 50
Des Moines	1. 80
Franklin	1. 50
Green Bay	1. 80
Harrison	1. 60
Jackson	1. 90
Jefferson	1. 80
Marion	1. 50
Montrose	1. 80
Pleasant Ridge	1. 50
Van Buren	1. 80
Washington	1. 60
West Point	1. 60

LINN COUNTY

Bertram	\$1. 40
Boulder	1. 50
Brown	1. 50
Buffalo	1. 60
Clinton	1. 40
College	1. 60
Fairfax	1. 50
Fayette	1. 50
Franklin	1. 60
Grant	1. 50
Jackson	1. 40
Linn	1. 60
Maine	1. 50
Marion	1. 40
Monroe	1. 40
Otter Creek	1. 50
Putnam	1. 50
Spring Grove	1. 40
Washington	1. 50

LOUISA COUNTY

Columbus City	\$1. 80
Concord	1. 80
Eliot	1. 80
Elm Grove	1. 80
Grandview	1. 80
Jefferson	1. 90
Marshall	1. 90
Morning Sun	1. 80
Oakland	1. 80
Port Louisa	1. 80
Union	1. 80
Wapello	1. 80

LUCAS COUNTY

Benton	\$1. 70
Cedar	2. 00
English	2. 10
Jackson	1. 80
Liberty	2. 10
Lincoln	2. 00
Otter Creek	2. 00
Pleasant	2. 20
Union	2. 00
Warren	2. 00
Washington	1. 60
Whitebreast	2. 00

LYON COUNTY

All townships	\$2. 80
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MADISON COUNTY

Crawford	\$1. 60
Douglas	1. 60
Grand River	2. 00
Jackson	1. 70
Jefferson	1. 60
Lee	1. 80
Lincoln	1. 70
Madison	1. 40
Monroe	1. 70
Ohio	1. 70
Penn	1. 60
Scott	1. 60
South	1. 70
Union	1. 40
Walnut	1. 40
Webster	1. 80

MAHASKA COUNTY

Adams	\$1. 50
Black Oak	1. 50
Cedar	1. 70
East Des Moines	1. 80
Garfield	1. 70
Harrison	1. 80
Jefferson	1. 70
Lincoln	1. 50
Madison	1. 50
Monroe	1. 70
Pleasant Grove	1. 80
Prairie	1. 70
Richland	1. 60
Scott	1. 60
Spring Creek	1. 60
Union	1. 70
West Des Moines	1. 80
White Oak	1. 70

MARION COUNTY

Clay	\$1. 40
Dallas	2. 10
East Knoxville	1. 60
Franklin	2. 10
Indiana	1. 60
Lake Prairie	1. 30
Liberty	1. 50
Perry	2. 00
Pleasant Grove	1. 90
Polk	1. 60
Red Rock	1. 70
Summit	1. 50
Swan	2. 00
Union	1. 70
Washington	1. 90
West Knoxville	1. 80

MARSHALL COUNTY

Bangor	\$1. 50
Eden	2. 00
Greencastle	1. 40
Iowa	1. 60
Jefferson	1. 70
LeGrand	1. 30
Liberty	1. 60
Linn	1. 40
Liscomb	1. 60
Logan	1. 90
Marietta	1. 60
Marion	1. 40
Minerva	1. 80
State Center	1. 80
Taylor	1. 40
Timber Creek	1. 50
Vienna	1. 40
Washington	1. 60

MILLS COUNTY

All townships	\$1. 80
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MITCHELL COUNTY

Burr Oak	\$1. 30
Cedar	1. 30
Douglas	1. 30
East Lincoln	1. 30
Jenkins	1. 40
Liberty	1. 30
Mitchell	1. 30
Newburg	1. 40
Osage	1. 20
Otranto	1. 40
Rock	1. 30
St. Ansgar	1. 30
Staceyville	1. 40
Union	1. 40
Wayne	1. 40
West Lincoln	1. 40

MONONA COUNTY

All townships	\$2. 60
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MONROE COUNTY

Bluff Creek	\$1. 70
Cedar	2. 00
Franklin	1. 70
Guilford	1. 80

MONROE COUNTY—
Continued

Jackson	\$1. 60
Mantua	1. 70
Monroe	1. 80
Pleasant	1. 50
Troy	1. 80
Union	1. 80
Urbana	1. 90
Wayne	1. 80

MONTGOMERY
COUNTY

Douglas	\$1. 90
East	2. 10
Frankfort	1. 80
Garfield	1. 70
Grant	1. 90
Lincoln	1. 50
Pilot Grove	1. 70
Red Oak	1. 60
Scott	2. 00
Sherman	1. 50
Washington	2. 00
West	1. 80

MUSCATINE COUNTY

Bloomington	\$1. 50
Cedar	1. 70
Fruitland	1. 60
Fulton	1. 40
Goshen	1. 60
Lake	1. 60
Montpelier	1. 30
Moscow	1. 40
Orono	1. 80
Pike	1. 80
Seventy-Six	1. 60
Sweetland	1. 50
Wapsinonoc	1. 70
Wilton	1. 50

O'BRIEN COUNTY

All townships	\$2. 70
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OSCEOLA COUNTY

All townships	\$2. 80
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PAGE COUNTY

Amity	\$2. 30
Buchanan	2. 20
Colfax	2. 20
Douglas	2. 20
East River	2. 20
Fremont	2. 20
Grant	2. 00
Harlan	2. 30
Lincoln	2. 20
Morton	2. 10
Nebraska	2. 20
Nodaway	2. 20
Pierce	2. 00
Tarkio	2. 20
Valley	2. 30
Washington	2. 20

PALO ALTO COUNTY

Booth	\$2. 30
Ellington	1. 90
Emmetsburg	2. 40
Fairfield	2. 20
Fern Valley	2. 00
Freedom	2. 30
Great Oak	2. 20
Highland	2. 60
Independence	2. 30
Lost Island	2. 60
Nevada	2. 10
Rush Lake	2. 00
Silver Lake	2. 40
Vernon	2. 40
Walnut	2. 50
West Bend	1. 80

PLYMOUTH COUNTY

All townships	\$2. 70
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POCAHONTAS
COUNTY

Bellville	\$1. 80
Cedar	2. 10
Colfax	1. 90
Cummins	1. 90
Des Moines	1. 60
Dover	2. 20
Garfield	1. 40
Grant	1. 90
Lake	1. 50
Lincoln	1. 60
Lizard	1. 70
Marshall	2. 00
Powhatan	1. 70
Roosevelt	1. 50
Sherman	1. 70
Swan Lake	2. 10

POLK COUNTY

Allen	\$2. 40
Beaver	2. 20
Bloomfield	2. 10
Camp	2. 30
Clay	2. 10
Crocker	2. 20
Delaware	2. 30
Douglas	2. 20
Elkhart	2. 10
Four Mile	2. 20
Franklin	2. 30
Jefferson	2. 10
Lincoln	2. 00
Madison	2. 20
Saylor	2. 30
Union	2. 20
Walnut	2. 00
Washington	2. 20
Webster	2. 10

EAST POTTAWATTA-
MIE COUNTY

Belknap	\$1. 60
Carson	1. 60
Center	1. 70
Grove	1. 60
James	1. 90
Knox	2. 00

EAST POTTAWATTA-
MIE COUNTY—Con.

Layton	\$2. 10
Lincoln	2. 00
Macedonia	1. 50
Pleasant	2. 10
Valley	1. 90
Washington	1. 70
Waveland	1. 70
Wright	1. 90

WEST POTTAWATTA-
MIE COUNTY

All townships	\$2. 00
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POWESHIEK COUNTY

Bear Creek	\$2. 20
Chester	1. 60
Deep River	2. 20
Grant	2. 00
Jackson	2. 00
Jefferson	2. 10
Lincoln	2. 20
Madison	2. 00
Malcom	2. 10
Pleasant	2. 10
Scott	2. 20
Sheridan	1. 80
Sugar Creek	1. 90
Union	1. 90
Warren	2. 20
Washington	2. 10

RINGGOLD COUNTY

Athens	\$1. 80
Benton	2. 20
Clinton	2. 30
Grant	2. 20
Jefferson	1. 90
Liberty	1. 80
Lincoln	2. 20
Lotts Creek	2. 00
Middle Fork	2. 20
Monroe	1. 70
Poe	2. 00
Rice	2. 10
Riley	1. 90
Tingley	1. 80
Union	1. 60
Washington	2. 00
Waubonsie	2. 10

SAC COUNTY

Boyer Valley	\$2. 50
Cedar	2. 40
Clinton	2. 40
Cook	2. 50
Coon Valley	2. 40
Delaware	2. 40
Douglas	2. 40
Eden	2. 40
Eureka	2. 40
Jackson	2. 40
Levey	2. 40
Richland	2. 50
Sac	2. 40
Viola	2. 40
Wall Lake	2. 40
Wheeler	2. 40

SCOTT COUNTY

Allens Grove	\$1. 60
Blue Grass	1. 30
Buffalo	1. 20
Butler	1. 30
Cleona	1. 50
Davenport	1. 40
Hickory Grove	1. 40
Le Claire	1. 60
Liberty	1. 50
Lincoln	1. 40
Pleasant Valley	1. 50
Princeton	1. 40
Rockingham	1. 20
Sheridan	1. 50
Winfield	1. 60

SHELBY COUNTY

Cass	\$2. 10
Center	2. 00
Clay	2. 30
Douglas	2. 20
Fairview	2. 10
Greeley	2. 40
Grove	2. 50
Jackson	2. 00
Jefferson	2. 50
Lincoln	2. 00
Monroe	2. 20
Polk	2. 30
Shelby	2. 20
Union	2. 40
Washington	2. 30
Westphalia	2. 20

SIOUX COUNTY

All townships	\$2. 80
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STORY COUNTY

Collins	\$2. 00
Franklin	1. 40
Grant	1. 60
Howard	1. 70
Indian Creek	2. 00
Lafayette	1. 60
Lincoln	1. 80
Milford	1. 40
Nevada	1. 80
New Albany	2. 00
Palestine	1. 80
Richland	1. 60
Sherman	1. 80
Union	1. 80
Warren	1. 80
Washington	1. 60

TAMA COUNTY

Buckingham	\$1. 50
Carlton	1. 10
Carroll	1. 50
Clark	1. 60
Columbia	1. 50
Crystal	1. 40
Geneseo	1. 50
Grant	1. 40
Highland	1. 30
Howard	1. 30
Indian Village	1. 10
Lincoln	1. 30
Oneida	1. 60

TAMA COUNTY—Con.

Otter Creek	\$1. 50
Perry	1. 60
Richland	1. 60
Salt Creek	1. 80
Spring Creek	1. 30
Tama	1. 30
Toledo	1. 30
York	1. 60

TAYLOR COUNTY

All townships	\$2. 20
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UNION COUNTY

Dodge	\$2. 00
Douglas	2. 20
Grant	2. 00
Highest	2. 20
Jones	1. 80
Lincoln	2. 10
New Hope	1. 80
Platte	2. 20
Pleasant	1. 60
Sand Creek	1. 80
Spaulding	2. 10
Union	2. 00

VAN BUREN COUNTY

Bonaparte	\$1. 70
Cedar	1. 60
Chequest	1. 40
Des Moines	1. 60
Farmington	1. 80
Harrisburg	1. 60
Henry	1. 60
Jackson	1. 60
Lick Creek	1. 40
Union	1. 60
Van Buren	1. 50
Vernon	1. 70
Village	1. 30
Washington	1. 60

WAPELLO COUNTY

Adams	\$1. 80
Agency	1. 90
Cass	1. 40
Center	1. 80
Columbia	1. 40
Competine	2. 00
Dahlonga	1. 90
Green	2. 00
Highland	1. 80
Keokuk	1. 90
Pleasant	2. 00
Polk	1. 60
Richland	1. 60
Washington	1. 60

WARREN COUNTY

Allen	\$2. 30
Belmont	2. 30
East Lincoln	2. 20
Greenfield	2. 20
Jackson	1. 90
Jefferson	1. 80

WARREN COUNTY—

Continued

Liberty	\$2. 20
Linn	2. 00
Otter	2. 30
Palmyra	2. 30
Richland	2. 40
Squaw	2. 00
Union	2. 30
Virginia	1. 80
West Lincoln	2. 00
White Breast	2. 20
White Oak	2. 20

WASHINGTON COUNTY

Brighton	\$1. 50
Cedar	1. 80
Clay	1. 60
Crawford	2. 00
Dutch Creek	1. 60
English River	1. 60
Franklin	1. 50
Highland	1. 80
Iowa	1. 60
Jackson	1. 80
Lime Creek	1. 50
Marion	1. 80
Oregon	1. 80
Seventy-six	1. 80
Washington	1. 60

WAYNE COUNTY

Benton	\$1. 90
Clay	2. 00
Clinton	2. 10
Corydon	1. 80
Grand River	2. 10
Howard	2. 00
Jackson	1. 90
Jefferson	2. 20
Monroe	1. 90
Richman	2. 00
South Fork	1. 60
Union	1. 70
Walnut	1. 80
Warren	2. 20
Washington	1. 80
Wright	1. 50

WEBSTER COUNTY

Badger	\$1. 80
Burnside	2. 10
Clay	1. 90
Colfax	1. 90
Cooper	1. 50
Dayton	2. 10
Deer Creek	1. 60
Douglas	1. 50
Elkhorn	1. 60
Fulton	1. 80
Gowrie	2. 20
Hardin	2. 10
Jackson	1. 60
Johnson	1. 70
Lost Grove	2. 00
Newark	2. 00

WEBSTER COUNTY

Continued

Otho	\$1. 80
Roland	2. 00
Washington	2. 00
Webster	2. 10
Yell	2. 10

WINNEBAGO COUNTY

Buffalo	\$2. 90
Center	1. 70
Eden	2. 00
Forest	1. 70
Grant	1. 90
King	1. 80
Lincoln	2. 20
Linden	1. 80
Logan	1. 90
Mount Valley	1. 60
Newton	1. 80
Norway	1. 80

WINNESHIEK COUNTY

Bloomfield	\$1. 30
Bluffton	1. 30
Burr Oak	1. 30
Calmar	1. 30
Canoe	1. 30
Decorah	1. 20
Frankville	1. 40
Fremont	1. 30
Glenwood	1. 40
Hesper	1. 40
Highland	1. 40
Jackson	1. 20
Lincoln	1. 20
Madison	1. 30
Military	1. 30
Orleans	1. 30
Pleasant	1. 30
Springfield	1. 30
Sumner	1. 20
Washington	1. 20

WOODBURY COUNTY

All townships	\$2. 60
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WORTH COUNTY

Barton	\$1. 60
Bristol	1. 50
Brookfield	1. 50
Danville	1. 40
Deer Creek	1. 30
Fertile	1. 30
Grove	1. 60
Hartland	1. 60
Kensett	1. 50
Lincoln	1. 40
Silver Lake	1. 60
Union	1. 50

WRIGHT COUNTY

All townships	\$1. 90
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UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL ADJUSTMENT AGENCY

Washington, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

NORTH CENTRAL REGION

MICHIGAN COMMITTEEMAN'S PRACTICE HANDBOOK

The 1945 Farm Program is designed to assist the farmers of Michigan to the fullest possible extent in protecting their soils against damage from erosion and loss of fertility.

The county committee, with the approval of the State Committee, may designate those practices which will be approved for payment in the county in order that the farm allowance will be used most effectively to bring about increased conservation, or the county committee may specify for any group of farms a proportion of the farm allowance which may be earned only by carrying out certain designated practices which are very much needed.

A. CONSERVATION PRACTICE ALLOWANCE

The practice allowance is the maximum amount of payment that may be made for carrying out approved conservation practices.

(1) The allowance for the following special practices shall be the extent of such practices times the approved rates: Establishing Cross-Slope Stripcropping, Cross-Slope Farming of Row Crops, Cross-Slope Seeding, Establishing Sod Waterways, and Establishing Permanent Pasture.

(2) The allowance for regular practices shall be the sum of the following or \$20.00, whichever is greater:

(a) 60 cents times the acreage classified as cropland.

(b) \$2.00 times the acreage classified as commercial orchards.

B. CONSERVATION PRACTICES

The practices available for 1945 are those which are most needed in order to conserve and improve soil fertility, improve pasture land, prevent wind and water erosion, and promote conservation and better utilization of water. Assistance will be available through the conservation practice allowance for carrying out the following practices during the program year January 1, 1945, through December 31, 1945. To qualify for payment, each practice must be carried out in accordance with the specifications for that practice and be in keeping with good farming practices for the locality.

The total extent of any practice performed shall be reduced for purposes of payment by the percentage of the total cost of the practice which the county committee determines was furnished by a State or Federal agency. The extent of any practice shall not be reduced because a portion of the cost is represented by materials or services

furnished by the A. A. A., or equipment furnished by S. C. S., or materials or services furnished by an agency of a State or political subdivision thereof to another agency or political subdivision of the same State, or trees purchased from a Clark-McNary Cooperative State Nursery.

All **special practices** listed under this section are designated by asterisks (**). Practices not designated as special practices will be considered as **regular practices**.

(1) **Liming materials** (credit rates are contained in NCR-901-Mich., Suppl. I).—Application of the following materials:

(a) **One ton of agricultural ground limestone** containing at least 80 percent calcium carbonate equivalent, and ground sufficiently fine so that 80 percent, including all of the finer particles obtained in the grinding process, will pass through an 8-mesh sieve. The moisture content at the time of shipment must not exceed 8 percent. The specifications for calcium carbonate content and percent of material passing through an 8-mesh sieve must be such that the multiplication of these specifications will be equal to or in excess of 0.72. If the ground limestone will not qualify with respect to either fineness or calcium carbonate content, or both, the county committee must require a correspondingly greater amount of material.

(b) **One ton of calcium carbide refuse lime** containing at least 85 percent of calcium carbonate, and testing not more than 25 percent moisture at the shipping point. A correspondingly greater amount of material must be required if the material does not meet the specifications.

(c) **One cubic yard of marl.**

(d) **One cubic yard of sugarbeet refuse lime.**

(e) **One cubic yard of water-softening process lime.**

(f) **One cubic yard of paper-mill refuse lime.**

(g) **One cubic yard of wood ashes containing at least 70 percent calcium carbonate equivalent.**

(h) **One ton of hydrated lime.**

(2) **Fertilizer—SOUTHERN PENINSULA.**—Application of **superphosphate, rock phosphate, colloidal phosphate, or potash**, when such material is applied (1) to **new seedings** of biennial or perennial legumes, perennial grasses, winter legumes, or permanent pasture (no credit will be given for materials furnished by the Agricultural Adjustment Agency applied to a seeding if wheat is used as a nurse crop); (2) to **old stands** of biennial and perennial legumes, perennial grasses, or permanent pasture; *Provided*, The acreage on which such applications are made is not devoted to, cultivated for or plowed for any other crop during the program year; and (3) to **green manure crops** in orchards.

(a) Application of superphosphate or defluorinated phosphate rock.—**\$4.70 per 100 lbs. of available P_2O_5 .**

(b) Application of rock phosphate or colloidal phosphate.—**\$0.60 per 100 lbs.**

(c) Application of potash—**\$3.30 per 100 lbs. of available K_2O .**

(d) 100 lbs. of 0-9-27..... \$1.30

(e) 100 lbs. of 0-10-20..... 1.15

(f) 100 lbs. of 0-12-12..... .95

(g) 100 lbs. of 0-14-7..... .90

(h) 100 lbs. of 0-14-14..... 1.10

(i) 100 lbs. of 0-18-0..... .85

(j) 100 lbs. of 0-19-0..... .90

(k) 100 lbs. of 0-20-0..... .95

(l) 100 lbs. of 0-20-10..... 1.25

(m) 100 lbs. of 0-20-20..... 1.60

(n) 100 lbs. of 2-12-6..... \$0.75

(o) 100 lbs. of 2-16-8..... 1.00

(p) 100 lbs. of 3-9-18..... 1.00

(q) 100 lbs. of 3-12-12..... .95

(r) 100 lbs. of 3-18-9..... 1.15

(s) 100 lbs. of 4-10-6..... .65

(t) 100 lbs. of 4-16-0..... .75

(u) 100 lbs. of 4-16-4..... .90

(v) 100 lbs. of 8-8-8..... .65

(w) 100 lbs. of 10-6-4..... .40

(2a) **Fertilizers—NORTHERN PENINSULA.**—Application of **superphosphate**, or **potash**, when such material is applied (1) to **new seedings** of biennial or perennial legumes, perennial grasses, winter legumes, or permanent pasture (no credit will be given for materials furnished by the Agricultural Adjustment Agency applied to a seeding if wheat is used as a nurse crop); (2) to **old stands** of biennial and perennial legumes, perennial grasses, or permanent pasture: *Provided*, The acreage on which such applications are made is not devoted to, cultivated for or plowed for any other crop during the program year; and (3) to **green manure crops** in orchards.

(a) Application of superphosphate.—\$5.25 per 100 lbs. of available P_2O_5 .			
(b) Application of potash.—\$3.35 per 100 lbs. of available K_2O .			
(c) 100 lbs. of 0-9-27----	\$1.35	(m) 100 lbs. of 2-12-6----	\$0.85
(d) 100 lbs. of 0-10-20----	1.20	(n) 100 lbs. of 2-16-8----	1.10
(e) 100 lbs. of 0-12-12----	1.00	(o) 100 lbs. of 3-9-18----	1.05
(f) 100 lbs. of 0-14-7----	.95	(p) 100 lbs. of 3-12-12----	1.25
(g) 100 lbs. of 0-14-14----	1.20	(q) 100 lbs. of 4-10-6----	.70
(h) 100 lbs. of 0-18-0----	.95	(r) 100 lbs. of 4-16-0----	.85
(i) 100 lbs. of 0-19-0----	1.00	(s) 100 lbs. of 4-16-4----	.95
(j) 100 lbs. of 0-20-0----	1.05	(t) 100 lbs. of 8-8-8----	.70
(k) 100 lbs. of 0-20-10----	1.40	(u) 100 lbs. of 10-6-4----	.45
(l) 100 lbs. of 0-20-20----	1.70		

(3) **Harvesting hayseed.**—Harvesting for seed an acreage of alfalfa, red clover, alsike clover, white clover, sweet clover, brome grass, and Reed's canary grass. Credit will not be given for more than 25 acres per farm.—**\$3.50 per acre.**

(4) ****Establishing permanent pasture.**—With prior approval of the county committee, establishment of pasture on land **designated as noncrop open pasture** by carrying out all of the following practices.—**\$4 per acre:**

- (a) Plowing during late May followed by a thorough seedbed preparation.
- (b) Application of the necessary amounts of liming materials or fertilizer. Credit for the application of liming materials or fertilizer will be given under Practices (1), (2), and (2a).
- (c) Making a seeding of not less than 15 pounds of an alfalfa-smooth brome-grass mixture in August, or on muck or overflow land a seeding of not less than 10 pounds of Reed's canary grass per acre.

(5) **Green manure crops.**—Disking or plowing under a good stand and a good growth of the following crops. If the land is subject to erosion and the green manure crop is plowed down in the fall, the land must be protected by a winter cover crop.—**\$1.50 per acre.**

- (a) Winter rye, seeded in the fall of 1944, except that acreage for which a 1944 winter cover crop practice payment was made.
- (b) Sweet clover or sweet clover-rye grass mixture.

(6) **Go-down crops or green manure crops in commercial orchards and vineyards.**—Protecting the soil from wind and water erosion by the use of go-down crops and green manure crops, provided a good vegetative growth is obtained and the crop is not pastured or harvested for hay, grain, seed, or forage, or otherwise taken from the land. If the land is subject to erosion and a green manure crop is plowed down in the fall, the land must be protected by a winter cover crop.—**\$1.50 per acre:**

- (a) Millet, buckwheat, Sudan grass, oats, barley, rye, and wheat.
- (b) Biennial or annual legumes.

(7) **Mulching materials.**—Application of small grain straw or legume and grass hay in commercial orchards, in vineyards, on commercial vegetable land, on potato land, or on strawberries or other small fruit.—\$5 per ton.

(8) **Weed control.**—With prior approval of the county committee, eradication or effective control of seriously infested plots of the following perennial noxious weeds: **Canada thistle, creeping Jenny, perennial sow thistle, and quack grass.** Payment for this practice may be approved only on farms where approved weed control measures are being carried out on all adjacent infested farms and contiguous land, where the infestation is limited to a single farm, or where the county committee determines that there is no likelihood of reinfestation from adjacent or contiguous land.

(a) By use of sodium chlorate or other chemicals.—\$0.10 per lb.

(b) By clean tillage (except quack grass).—\$10 per acre.

(c) By clean tillage of quack grass.—\$5 per acre.

(9) **Farm ditches.**—With prior approval of the county committee, construction or cleaning out of farm ditches (except ditches constructed or maintained by a drainage district), including lateral and lead ditches, for which proper outlets are provided, and adequate provision is made for entrance of water into and out of the ditches. The ditches must have sufficient capacity to remove the normal excess surface water.—\$0.08 per cu. yd. of material moved, but not in excess of \$5 per 100 lin. ft.

(10) **Ditches for tile drainage.**—With prior approval of the county committee, excavation for the purpose of installation of tile drains, provided the size of tile, outlets, and gradient meet the specifications for standard drainage, as recommended by the U. S. Department of Agriculture; not less than 75 percent of the area to be drained is cropland; and no part of the tile lines is to be used for any other purpose than the draining of agricultural land.—\$0.40 per rod.

(11) ****Cross-slope farming of row crops.**—Growing row crops as nearly as possible on the contour. Contour lines must be run and the base contour lines permanently marked every 300 feet. All tillage operations in connection with the seeding must also be approximately on the contour. No credit will be given for this practice for any acreage qualifying under the Stripcropping practice.—\$1 per acre.

(12) ****Cross-slope seeding.**—Seeding of small grain crops as nearly as possible on the contour. Contour lines must be run and the base contour lines permanently marked every 300 feet. All tillage operations in connection with the seeding must also be approximately on the contour. No credit will be given for this practice for any acreage qualifying under the Stripcropping practice.—\$0.35 per acre.

(13) ****Establishing cross-slope stripcropping.**—By growing alternate strips of row crops with sown, close-drilled, or sod crops, as nearly as possible on the contour, provided: (1) the strips are approximately the same width; (2) the strips are not less than 3 rods nor more than 10 rods in width; (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained; (4) contour lines are run and the base contour lines are permanently marked every 300 ft. Buffer strips must be at least 1 rod in width.—\$1.50 per acre.

(14) ****Establishing sod waterways.**—Establishing a permanent sod waterway on any cropland where a permanent vegetative cover is necessary in a waterway channel or terrace outlet, or in cultivated orchards. The channel of the waterway must be sufficiently wide to carry the run-off from the drainage area and must be at least 10 feet in width at the narrowest point. The channel must contain perennial grasses, and a good vegetative growth must be obtained.—**\$0.75 per 1,000 sq. ft.**

(15) **Maintaining sod waterways.**—Maintaining an established sod waterway at least 10 ft. wide at the narrowest point in a field which is devoted to row crops, by lifting the plow when the waterway is crossed, mowing, removing all loose clippings, sodding or reseeding breaks in the sod, protecting from damage by livestock, and by use of other practices necessary to maintain a good vegetative cover. No credit will be given for this practice for any waterway for which credit is given under practice 14.—**\$0.25 per 1,000 sq. ft.**

(16) **Tree planting.**—Prior approval of the site and of the variety of the tree to be planted must be obtained from the county committee. The plantings must be made in accordance with good tree culture and must be protected from fire and grazing. The following varieties of trees may be approved for payment provided they are adapted to the particular soil type, climatic conditions, moisture conditions, and site: Red pine, jack pine, eastern white pine, white spruce, black spruce, northern white cedar, sugar maple, yellow birch, basswood, white ash, white pine, Norway spruce, cottonwood, yellow poplar.

(a) Planting for forest purposes or gully control.—**\$1 per 100 trees**, but not in excess of **\$7.50 per acre**.

(b) Planting for windbreak purposes.—**\$2 per 100 trees**.

(17) **Planting muck land windbreaks.**—With prior approval of the county committee, planting of willow cuttings on muck land. The cuttings must be spaced not less than 18 inches apart in parallel rows not more than three hundred feet apart.—**\$1.00 per 100 cuttings**.

CUT-OVER AREA PRACTICES

The cut-over area includes the following counties: Alcona, Alger, Alpena, Antrim, Arenac, Baraga, Benzie, Charlevoix, Cheboygan, Chippewa, Clare, Crawford, Delta, Dickinson, Emmet, Gladwin, Gogebic, Grand Traverse, Houghton, Iron, Iosco, Kalkaska, Keweenaw, Lake, Leelanau, Luce, Mackinac, Manistee, Marquette, Mason, Menominee, Midland, Missaukee, Montmorency, Mecosta, Muskegon, Newaygo, Oscoda, Otsego, Oceana, Ogemaw, Osceola, Ontonagon, Presque Isle, Roscommon, Schoolcraft, and Wexford.

(18) **Clearing farm land now unsuited for tillage, on farms with less than 60 acres of cropland.**—Prior approval by the county committee must be obtained in all cases.—All loose stone, stumps, underbrush, and forest tree growth must be removed and hummocks leveled. No credit will be given for clearing land which is now supporting a stand of merchantable timber. However, approval must not be given where it is clear that water erosion hazards will result or where the soils of the land to be cleared are not equal to or superior to the soils now under cultivation on the farm. Land on which it

appears that it would be necessary to remove stones annually in large quantities should not receive the approval of the committee. Land which must be drained before being put into cultivation must not be approved unless the county committee is assured that adequate draining facilities will be provided by the farmer before the end of the program year. No credit will be given for this practice if the cost of clearing the land is less than \$20.00 per acre.—**\$10 per acre.**

(19) **Improving pastures.**—With prior approval of the county committee, improvement of noncrop open pasture land which the county committee determines will, when improved, be capable of carrying at least one animal unit for each two acres during a pasture season of at least 4 months. Improvement shall include uprooting and removal of shrubs, leveling hummocks, carrying out an adequate system of mowing, and removing loose stones. Payment will not be made unless sufficient liming materials, fertilizers, and seed, where needed, are applied to obtain a good stand of grasses and legumes.—**\$5 per acre.**

C. DEFINITIONS

(1) **Farm.**—Farm means all adjacent or nearby farm land under the same ownership which is operated by one person, including also:

(a) Any other adjacent or nearby farm land which the county committee, in accordance with instructions issued by the Agricultural Adjustment Agency, determines is operated by the same person as part of the same unit with respect to the rotation of crops and with work stock, farm machinery, and labor substantially separate from that for any other lands; and

(b) Any field-rented tract (whether operated by the same or another person) which, together with any other land included in the farm, constitutes a unit with respect to the rotation of crops.

(c) A farm shall be regarded as located in the county in which the principal dwelling is situated, or if there is not a dwelling thereon, it shall be regarded as located in the county in which the major portion of the farm is located.

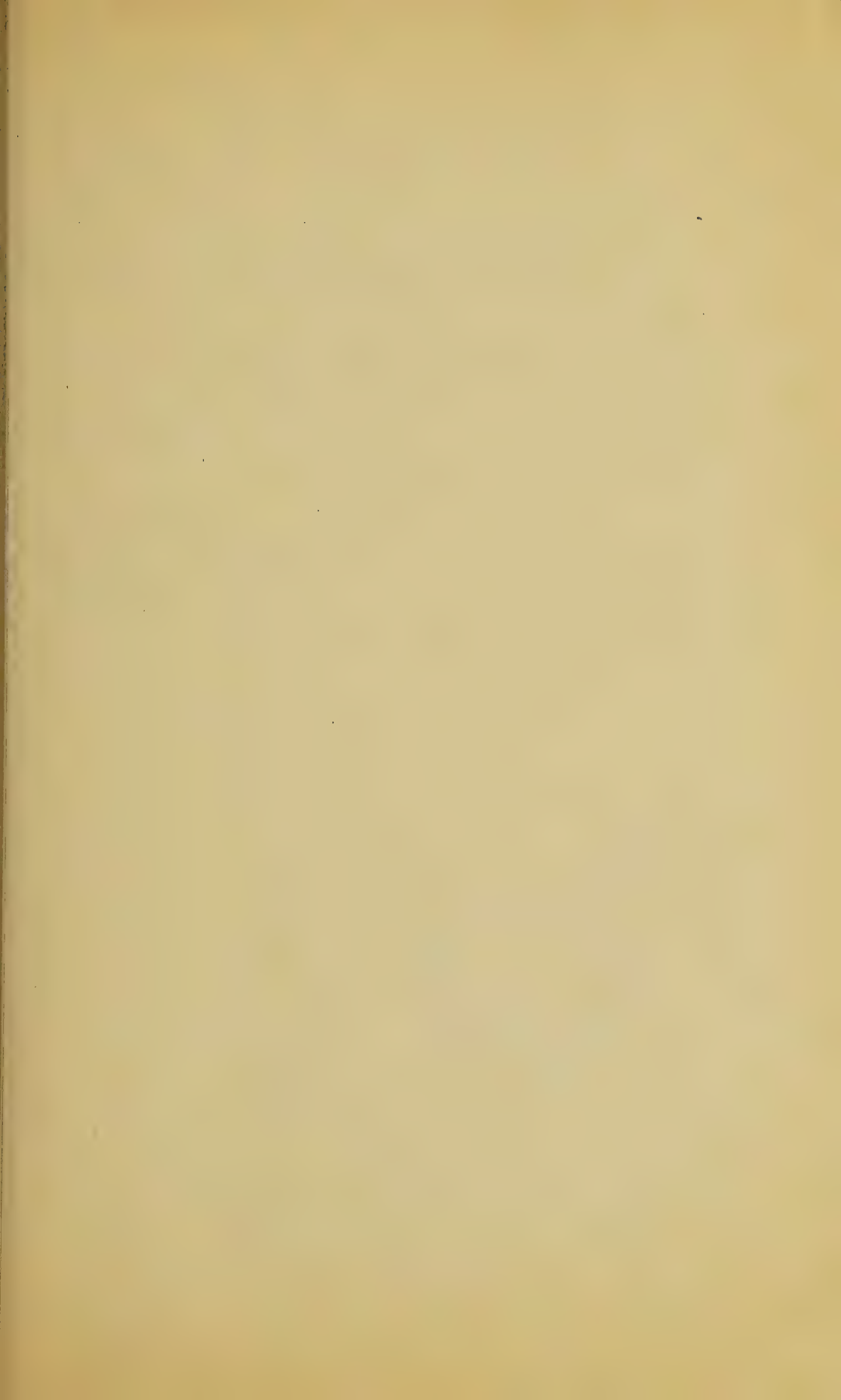
(2) **Cropland.**—Cropland means farm land which in 1944 was tilled or was in regular rotation, excluding any land which constitutes, or will constitute if such tillage is continued, a wind-erosion hazard to the community, and excluding also, any land in commercial orchards.

(3) **Noncrop open-pasture land.**—Noncrop open-pasture land means pasture land (other than rotation pasture land) on which the predominant growth is forage suitable for grazing and on which the number of grouping of trees or shrubs is such that the land could not fairly be considered as woodland.

(4) **Commercial orchards.**—Commercial orchards mean the acreage on the farm in planted or cultivated fruit trees, nut trees, vineyards, hops, or bush fruits (excluding nonbearing orchards and vineyards) from which the major portion of the production is normally sold.

(5) **Person.**—Person means an individual, partnership, association, corporation, estate, or trust, or other business enterprise or other legal entity, and, wherever applicable, a State, a political subdivision of a State, or any agency thereof.

(6) **Producer.**—Producer means any person who as a landlord, tenant, or sharecropper, participates in the operation of a farm.



BARAGA COUNTY

Township	Lime-stone	Carbide refuse
Arvon.....	\$5. 00	-----
Baraga.....	5. 00	\$1. 30
Covington.....	5. 00	1. 10
L'Anse.....	5. 00	1. 10
Spurr.....	5. 00	-----

BARRY COUNTY

Township	Lime-stone	Marl
Assyria.....	\$2. 30	\$0. 90
Baltimore.....	2. 40	. 80
Barry.....	2. 30	. 90
Carlton.....	2. 40	. 90
Castleton.....	2. 40	. 90
Hastings.....	2. 40	. 70
Hope.....	2. 40	. 80
Irving.....	2. 40	. 80
Johnstown.....	2. 30	. 90
Maple Grove.....	2. 40	. 90
Orangeville.....	2. 30	. 70
Prairieville.....	2. 30	. 80
Rutland.....	2. 40	. 90
Thornapple.....	2. 40	. 80
Woodland.....	2. 40	. 90
Yankee Springs.....	2. 40	. 80

BAY COUNTY

Township	Sugar-beet refuse
Bangor.....	\$0. 60
Beaver.....	. 70
Frankenlust.....	. 70
Frazer.....	. 70
Garfield.....	. 70
Gibson.....	. 80
Hampton.....	. 70
Kawkawlin.....	. 70
Merritt.....	. 70
Monitor.....	. 60
Mount Forest.....	. 80
Pinconning.....	. 80
Portsmouth.....	. 70
Williams.....	. 70

BENZIE COUNTY

Township	Marl
Almira.....	\$0. 70
Benzonia.....	. 80
Blaine.....	. 80
Colfax.....	. 80
Crystal Lake.....	. 80
Gilmore.....	. 80

BENZIE COUNTY—Continued

Township	Marl
Homestead.....	\$0. 70
Inland.....	. 60
Joyfield.....	. 80
Lake.....	. 80
Platte.....	. 70
Weldon.....	. 70

BERRIEN COUNTY

Township	Lime-stone	Marl
Bainbridge.....	\$2. 20	\$0. 80
Baroda.....	2. 20	1. 00
Benton.....	1. 90	1. 00
Berrien.....	2. 30	1. 10
Bertrand.....	2. 50	1. 00
Buchanan.....	2. 40	1. 00
Chickaming.....	2. 30	1. 00
Coloma.....	2. 20	1. 00
Galien.....	2. 40	. 90
Hagar.....	2. 20	1. 00
Lake.....	2. 30	1. 00
Lincoln.....	2. 20	1. 10
New Buffalo.....	2. 50	1. 10
Niles.....	2. 40	1. 10
Oronoko.....	2. 30	1. 10
Pipestone.....	2. 30	. 90
Royalton.....	2. 20	1. 10
St. Joseph.....	1. 90	1. 10
Sodus.....	2. 20	1. 00
Three Oaks.....	2. 40	1. 00
Watervliet.....	2. 30	1. 00
Weesaw.....	2. 30	. 90

BRANCH COUNTY

Township	Lime-stone	Marl
Algansee.....	\$2. 50	\$1. 00
Batavia.....	2. 50	1. 10
Bethel.....	2. 50	1. 00
Bronson.....	2. 50	1. 00
Butler.....	2. 50	1. 10
California.....	2. 50	1. 10
Coldwater.....	2. 50	1. 00
Gilead.....	2. 50	1. 10
Girard.....	2. 50	1. 00
Kinderhook.....	2. 50	1. 00
Matteson.....	2. 50	. 80
Noble.....	2. 50	1. 00
Ovid.....	2. 50	1. 10
Quincy.....	2. 50	1. 00
Sherwood.....	2. 50	. 90
Union.....	2. 50	1. 00

CALHOUN COUNTY

Township	Lime-stone	Marl
Albion.....	\$2. 50	\$0. 90
Athens.....	-----	. 80
Battle Creek.....	2. 30	. 80

CALHOUN COUNTY—Continued

Township	Lime-stone	Marl
Bedford	\$2. 30	\$0. 80
Burlington	2. 50	. 80
Clarence	2. 50	. 90
Clarendon	2. 50	. 90
Convis	2. 30	. 90
Eckford	2. 50	. 90
Emmett	2. 30	. 80
Fredonia	2. 50	. 90
Homer	2. 50	. 90
Lee	2. 50	. 90
LeRoy	2. 30	. 90
Marengo	2. 50	. 90
Marshall	2. 30	. 90
Newton	2. 30	. 80
Pennfield	2. 30	. 80
Sheridan	2. 50	. 90
Tekonsha	2. 50	. 90

CASS COUNTY

Calvin	\$2. 50	\$1. 10
Howard	2. 50	1. 10
Jefferson	2. 50	1. 10
LaGrange	2. 50	1. 10
Marcellus	2. 50	1. 10
Mason	2. 50	1. 10
Milton	2. 50	1. 10
Newberg	2. 50	1. 10
Ontwa	2. 50	1. 10
Penn	2. 50	1. 10
Pokagon	2. 50	1. 10
Porter	2. 50	1. 10
Silver Creek	2. 50	1. 10
Volinia	2. 50	1. 10
Wayne	2. 50	1. 10

CHARLEVOIX COUNTY

Bay	\$1. 80	\$1. 40
Boyne Valley	2. 10	1. 40
Chandler	2. 30	1. 40
Charlevoix	1. 80	1. 40
Evangeline	1. 80	1. 40
Eveline	2. 10	1. 40
Hayes	1. 80	1. 40
Hudson	2. 30	1. 40
Marion	2. 30	1. 40
Melrose	2. 10	1. 40
Norwood	2. 30	1. 40
Peaine	-----	1. 40
Saint James	-----	1. 40
South Arm	2. 30	1. 40
Wilson	2. 10	1. 40

CHEBOYGAN COUNTY

Aloha	\$1. 60	\$0. 80
Beaugrand	1. 60	. 80
Benton	1. 60	. 80

CHEBOYGAN COUNTY—Continued

Township	Lime-stone	Marl
Burt	\$1. 50	\$0. 70
Cheboygan City	1. 60	. 70
Ellis	1. 60	1. 00
Forest	1. 60	1. 00
Grant	1. 60	1. 00
Hebron	1. 60	. 80
Inverness	1. 60	. 70
Koehler	1. 60	. 80
Mackinaw	1. 60	1. 00
Maple Grove	1. 80	-----
Mentor	1. 40	1. 00
Mullet	1. 50	. 70
Munro	1. 60	. 70
Nunda	1. 80	1. 00
Tuscarora	1. 40	. 80
Walker	1. 80	1. 00
Waverly	1. 60	1. 00
Wilnot	1. 60	1. 00

CHIPPEWA COUNTY

Township	Lime-stone	Carbide refuse
Bay Mills	\$3. 00	-----
Bruce	2. 80	\$2. 10
Chippewa	3. 00	-----
Dafer	2. 80	1. 90
Hulbert	3. 00	-----
Kinross	2. 60	2. 30
Pickford	2. 50	2. 60
Raber	3. 00	2. 80
Rudyard	2. 50	2. 40
Soo	2. 40	1. 40
Sugar Island	2. 80	2. 30
Superior	2. 80	1. 80
Trout Lake	2. 80	-----

CLARE COUNTY

Township	Marl
Arthur	\$0. 80
Franklin	. 80
Freeman	. 80
Frost	. 90
Garfield	. 80
Grant	. 80
Greenwood	. 90
Hamilton	. 80
Hatton	. 80
Hayes	. 90
Lincoln	. 80
Redding	. 90
Sheridan	. 80
Summerfield	. 90
Surrey	. 80
Winterfield	1. 00

CLINTON COUNTY

Township	Lime-stone	Marl	Sugar-beet refuse
Bath	\$2. 50	\$0. 90	\$0. 90
Bengal	2. 50	. 90	. 90
Bingham	2. 40	. 90	. 90
Dallas	2. 40	. 90	. 90
DeWitt	2. 50	. 90	. 90
Duplain	2. 50	. 90	. 90
Eagle	2. 40	. 90	. 90
Essex	2. 50	. 90	. 90
Greenbush	2. 50	. 90	. 90
Lebanon	2. 50	. 90	. 90
Olive	2. 50	. 90	. 90
Ovid	2. 50	. 90	. 90
Riley	2. 50	. 90	. 90
Victor	2. 50	. 90	. 90
Watertown	2. 40	. 90	. 90
Westphalia	2. 50	. 90	. 90

CRAWFORD COUNTY

Township	Lime-stone	Marl
All townships	\$2. 50	\$1. 20

DELTA COUNTY

Township	Sugar-beet refuse
Baldwin	\$1. 40
Bark River	1. 20
Bay de Noc	1. 70
Brampton	1. 30
Cornell	1. 30
Ensign	1. 60
Escanaba	1. 20
Fairbanks	2. 00
Ford River	1. 20
Garden	2. 00
Maple Ridge	1. 40
Masonville	1. 40
Nahma	1. 80
Wells	1. 20

DICKINSON COUNTY

Township	Lime-stone	Marl
All townships	\$3. 30	\$2. 50

EATON COUNTY

Township	Lime-stone	Marl
Bellevue	\$2. 50	\$0. 90
Benton	2. 40	. 90
Brookfield	2. 50	. 90

EATON COUNTY—County

Township	Lime-stone	Marl
Carmel	\$2. 40	\$0. 90
Chester	2. 40	. 90
Delta	2. 40	1. 00
Eaton	2. 40	. 90
Eaton Rapids	2. 50	1. 00
Hamlin	2. 50	1. 00
Kalamo	2. 50	. 90
Oneida	2. 40	1. 00
Roxand	2. 40	. 90
Sunfield	2. 40	. 90
Vermontville	2. 50	. 90
Walton	2. 50	. 90
Windsor	2. 40	1. 00

EMMET COUNTY

Township	Lime-stone	Marl
Bear Creek	\$1. 20	-----
Bliss	1. 60	\$0. 90
Carp Lake	1. 50	1. 00
Center	1. 50	1. 00
Cross Village	1. 60	. 80
Friendship	1. 40	1. 00
Little Traverse	1. 30	. 90
Littlefield	1. 40	. 80
McKinley	1. 40	-----
Maple River	1. 40	. 90
Pleasant View	1. 50	-----
Readmond	1. 60	1. 00
Resort	1. 20	-----
Springvale	1. 40	-----
Wa-Watam	1. 80	-----
West Traverse	1. 40	-----

GENESEE COUNTY

Township	Lime-stone	Marl	Sugar-beet refuse
Argentine	\$2. 50	\$0. 70	\$0. 90
Atlas	2. 50	. 70	. 90
Burton	2. 50	. 70	. 80
Clayton	2. 50	. 70	. 80
Davison	2. 50	. 70	. 80
Fenton	2. 50	. 70	. 90
Flint	2. 50	. 70	. 90
Flushing	2. 50	. 70	. 90
Forest	2. 50	. 70	. 80
Gaines	2. 50	. 70	. 90
Genesee	2. 50	. 70	. 80
Grand Blanc	2. 50	. 70	. 90
Montrose	2. 50	. 70	. 80
Mount Morris	2. 50	. 70	. 80
Mundy	2. 50	. 70	1. 00
Richfield	2. 50	. 70	. 80
Thetford	2. 50	. 70	. 80
Vienna	2. 50	. 70	. 80

GLADWIN COUNTY

Township	Lime-stone	Marl
Beverton	\$2. 50	\$0. 80
Bentley	2. 50	1. 10
Billings	2. 50	. 90
Bourret	2. 50	. 70
Buckeye	2. 50	. 80
Butman	2. 50	. 70
Clement	2. 50	. 70
Gladwin	2. 50	. 70
Grim	2. 50	1. 10
Grout	2. 50	. 70
Hay	2. 50	. 90
Sage	2. 50	. 70
Secord	2. 50	. 80
Sheridan	2. 50	. 70
Sherman	2. 50	. 70
Tobacco	2. 50	. 80

GRAND TRAVERSE COUNTY

Township	Marl
Acme	\$0. 80
Blair	. 80
East Bay	. 80
Fife Lake	. 80
Garfield	. 80
Grant	. 70
Green Lake	. 70
Long Lake	. 80
Mayfield	. 80
Paradise	. 80
Peninsula	1. 00
Union	. 90
Whitewater	. 80

GRATIOT COUNTY

Township	Sugar-beet refuse
Arcada	\$0. 70
Bethany	. 80
Elba	1. 10
Emerson	. 70
Fulton	1. 00
Hamilton	1. 00
Lafayette	. 90
Newark	. 80
New Haven	. 90
North Shade	1. 10
North Star	. 90
Pine River	. 70
Seville	. 70
Sumner	. 70
Washington	1. 10
Wheeler	. 80

HILLSDALE COUNTY

Township	Lime-stone	Marl
All townships	\$2. 50	\$1. 10

INGHAM COUNTY

Township	Lime-stone	Marl	Sugar-beet refuse
Alaiedon	\$2. 00	\$0. 70	\$0. 70
Aurelius	2. 00	. 70	. 70
Bunker Hill	2. 00	. 70	. 70
Delhi	2. 00	. 70	. 70
Ingham	2. 00	. 70	. 70
Lansing	2. 10	. 70	. 70
Leroy	2. 10	. 70	. 70
Leslie	1. 90	. 70	. 70
Locke	2. 10	. 70	. 70
Meridian	2. 10	. 70	. 70
Onondaga	1. 90	. 70	. 70
Stockbridge	2. 20	. 70	. 70
Vevay	2. 00	. 70	. 70
Wheatfield	2. 10	. 70	. 70
White Oak	2. 20	. 70	. 70
Williamston	2. 10	. 70	. 70

IONIA COUNTY

Township	Lime-stone	Marl
Berlin	\$2. 50	\$0. 90
Boston	2. 50	. 80
Campbell	2. 50	. 90
Danby	2. 50	. 90
Easton	2. 50	. 80
Ionia	2. 50	. 90
Keene	2. 50	. 90
Lyons	2. 50	. 90
North Plains	2. 50	. 90
Odessa	2. 50	. 80
Orange	2. 50	. 90
Orleans	2. 50	. 90
Otisco	2. 50	. 90
Portland	2. 50	. 90
Ronald	2. 50	. 90
Sebewa	2. 50	. 90

ISABELLA COUNTY

Township	Marl	Sugar-beet refuse
Broomfield	\$0. 70	\$1. 00
Chippewa	. 90	1. 00
Coe	. 90	1. 00
Coldwater	. 90	1. 00

ISABELLA COUNTY—Continued

Township	Marl	Sugar-beet refuse
Deerfield	\$0. 90	\$1. 00
Denver	. 90	1. 00
Fremont	. 90	1. 00
Gilmore	. 90	1. 00
Isabella	. 90	1. 00
Lincoln	. 90	1. 00
Nottawa	. 90	1. 00
Rolland	. 70	1. 00
Sherman	. 90	1. 00
Union	. 90	1. 00
Vernon	. 90	1. 00
Wise	. 70	1. 00

JACKSON COUNTY

Township	Lime-stone	Marl
Blackman	\$1. 90	\$0. 90
Columbia	2. 00	. 90
Concord	2. 00	. 90
Grass Lake	2. 00	. 90
Hanover	2. 00	. 90
Henrietta	1. 90	. 90
Leoni	2. 00	. 90
Liberty	2. 00	. 90
Napoleon	2. 00	. 90
Norvell	2. 00	. 90
Parma	2. 00	. 90
Pulaski	2. 20	. 90
Rives	1. 90	. 90
Sandstone	2. 00	. 90
Spring Arbor	2. 00	. 90
Springport	2. 00	. 90
Summit	2. 00	. 90
Tompkins	2. 30	. 90
Waterloo	2. 00	. 90

KALAMAZOO COUNTY

Alamo	\$2. 50	\$0. 70
Brady	2. 50	. 60
Charleston	2. 50	. 80
Climax	2. 50	. 80
Comstock	2. 50	. 70
Cooper	2. 50	. 80
Kalamazoo	2. 50	. 80
Oshtemo	2. 50	. 90
Pavilion	2. 50	. 70
Portage	2. 50	. 70
Prairie Ronde	2. 50	. 90
Richland	2. 50	. 70
Ross	2. 50	. 80
Schoolcraft	2. 50	. 70
Texas	2. 50	. 80
Wakeshma	2. 50	. 80

KALKASKA COUNTY

Township	Lime-stone	Marl
Blue Lake	\$2. 20	\$1. 00
Boardman	2. 20	1. 00
Clearwater	2. 20	1. 00
Cold Springs	2. 20	1. 00
Excelsior	2. 20	1. 00
Garfield	2. 30	1. 10
Kalkaska	2. 20	1. 00
Oliver	2. 30	1. 10
Orange	2. 20	1. 00
Rapid River	2. 20	1. 00
Springfield	2. 20	1. 10
Wilson	2. 30	1. 00

KENT COUNTY

Township	Lime-stone	Marl	Carbide refuse
Ada	\$2. 60	\$0. 90	-----
Algoma	2. 70	. 90	-----
Alpine	2. 60	. 90	-----
Bowne	2. 60	. 80	-----
Byron	2. 40	. 80	\$1. 00
Caledonia	2. 60	. 80	-----
Cannon	2. 70	. 80	-----
Cascade	2. 60	. 90	-----
Courtland	2. 70	. 90	-----
Gaines	2. 80	. 80	-----
Grand Rapids	2. 70	. 90	-----
Grattan	2. 60	. 90	-----
Lowell	2. 60	. 90	-----
Nelson	2. 70	. 90	-----
Oakfield	2. 70	. 90	-----
Paris	2. 80	. 80	-----
Plainfield	2. 70	. 90	-----
Solon	2. 70	. 70	-----
Sparta	2. 60	. 90	-----
Spencer	2. 70	. 90	-----
Tyrone	2. 60	. 70	-----
Vergennes	2. 70	. 80	-----
Walker	2. 60	. 80	-----
Wyoming	2. 50	. 80	. 80

LAKE COUNTY

Township	Lime-stone	Marl	Paper mill refuse
Chase	\$2. 80	\$0. 90	\$1. 40
Cherry Valley	2. 80	. 80	1. 20
Dover	2. 80	. 90	1. 20
Eden	2. 80	. 80	. 90
Elk	2. 80	. 70	. 90
Ellsworth	2. 80	. 80	1. 30
Lake	2. 80	. 90	1. 20
New Kirk	2. 80	. 90	1. 10
Peacock	2. 80	. 90	1. 00
Pinora	2. 80	. 90	1. 30

LAKE COUNTY—Continued

Township	Lime-stone	Marl	Paper mill refuse
Pleasant Plains	\$2. 80	\$0. 80	\$1. 30
Sauble	2. 80	. 80	1. 00
Sweet Water	2. 80	. 90	1. 20
Webber	2. 80	. 80	1. 20
Yates	2. 80	. 70	1. 30

LAPEER COUNTY

Township	Lime-stone	Marl
All townships	\$2. 50	\$0. 70

LEELANAU COUNTY

Township	Marl
All townships	\$0. 70

LENAWEE COUNTY

Township	Lime-stone
Adrian	\$1. 80
Blissfield	1. 60
Cambridge	2. 00
Clinton	1. 70
Deerfield	1. 60
Dover	1. 90
Fairfield	1. 90
Franklin	1. 90
Hudson	2. 00
Macon	1. 70
Madison	1. 80
Medina	2. 00
Ogden	1. 70
Palmyra	1. 70
Raisin	1. 70
Ridgeway	1. 60
Riga	1. 70
Rollin	2. 00
Rome	1. 90
Seneca	2. 00
Tecumseh	1. 70
Woodstock	2. 00

LIVINGSTON COUNTY

Township	Lime-stone	Marl
Brighton	\$2. 30	\$1. 10
Cohoctah	2. 30	1. 10
Conway	2. 30	1. 10

LIVINGSTON COUNTY—Continued

Township	Lime-stone	Marl
Deerfield	\$2. 30	\$0. 90
Genoa	2. 30	. 90
Green Oak	2. 30	1. 10
Hamburg	2. 30	1. 10
Handy	2. 30	1. 10
Hartland	2. 30	1. 10
Howell	2. 30	. 90
Iosco	2. 30	1. 10
Marion	2. 30	. 90
Osceola	2. 30	. 90
Putnam	2. 30	1. 10
Tyrone	2. 30	1. 10
Unadilla	2. 30	1. 10

MACOMB COUNTY

Township	Lime-stone
Armada	\$2. 30
Bruce	2. 30
Chesterfield	2. 20
Clinton	2. 00
Erin	1. 80
Harrison	2. 00
Lake	1. 90
Lenox	2. 30
Macomb	2. 10
Ray	2. 30
Richmond	2. 30
Shelby	2. 20
Sterling	2. 00
Warren	1. 60
Washington	2. 30

MANISTEE COUNTY

Township	Marl	Paper mill refuse
Arcadia	\$0. 60	
Bear Lake	1. 00	\$1. 10
Brown	1. 20	1. 10
Cleon	1. 10	
Dickson	1. 10	
Filer	1. 20	. 80
Manistee	1. 20	. 90
Maple Grove	1. 10	1. 20
Marilla	1. 10	
Norman	1. 00	
Onkama	. 80	1. 10
Pleasanton	. 80	1. 20
Springdale	1. 00	
Stronach	1. 20	. 90

MASON COUNTY

Township	Lime-stone	Marl	Paper mill refuse
Amber	\$2. 60	\$0. 80	\$1. 10
Branch	2. 60	. 80	1. 30
Custer	2. 60	. 90	1. 20
Eden	2. 60	. 80	1. 30
Freesoil	2. 60	. 80	1. 10
Grant	2. 60	. 90	1. 00
Hamlin	2. 60		1. 20
Logan	2. 60	. 90	1. 40
Meade	2. 60	. 90	1. 00
Pere Marquette	2. 60	. 80	1. 30
Riverton	2. 60	. 80	1. 30
Sheridan	2. 60	. 90	1. 10
Sherman	2. 60	1. 00	1. 00
Summit	2. 60	. 80	1. 40
Victory	2. 60	. 80	1. 00

MECOSTA COUNTY

Township	Lime-stone	Marl	Sugar-beet refuse
Aetna	\$2. 50	\$0. 90	\$0. 80
Austin	2. 50	. 70	. 80
Big Rapids	2. 50	. 80	. 80
Chippewa	2. 50	. 90	. 90
Colfax	2. 50	. 80	. 80
Deerfield	2. 50	. 80	. 80
Fork	2. 50	. 80	. 70
Grant	2. 50	. 80	. 70
Green	2. 50	. 80	. 80
Hinton	2. 50	. 80	. 80
Martiny	2. 50	. 80	. 80
Mecosta	2. 50	. 80	. 80
Millbrook	2. 50	. 80	. 70
Morton	2. 50	. 70	. 70
Sheridan	2. 50	. 80	. 70
Wheatland	2. 50	. 80	. 70

MIDLAND COUNTY

Township	Lime-stone	Sugar-beet refuse
Edenville	\$2. 70	\$1. 10
Geneva	2. 70	. 90
Greendale	2. 80	. 90
Homer	2. 60	1. 00
Hope	2. 80	1. 10
Ingersoll	2. 70	. 90
Jasper	2. 70	. 70
Jerome	2. 80	1. 00
Larkin	2. 70	1. 00
Lee	2. 70	. 90
Lincoln	2. 80	1. 00
Midland	2. 70	. 90
Mills	2. 80	1. 10
Mount Haley	2. 70	. 90
Porter	2. 70	. 80
Warren	2. 70	1. 00

MISSAUKEE COUNTY

Township	Lime-stone	Marl
Aetna	\$2. 60	\$1. 00
Bloomfield	2. 60	1. 00
Butterfield	2. 80	. 90
Caldwell	2. 60	. 90
Clam Union	2. 60	1. 00
Enterprise	2. 80	. 80
Forest	2. 60	1. 00
Holland	2. 80	1. 00
Lake	2. 60	. 80
Norwich	3. 00	1. 00
Pioneer	3. 00	1. 00
Reeder	2. 60	. 80
Richland	2. 60	1. 00
Riverside	2. 60	. 90
West Branch	2. 80	. 80

MONROE COUNTY

Township	Lime-stone
Ash	\$1. 30
Bedford	1. 30
Berlin	1. 30
Dundee	1. 40
Erie	1. 30
Exeter	1. 30
Frenchtown	1. 20
Ida	1. 20
La Salle	1. 20
London	1. 40
Milan	1. 60
Monroetown	1. 10
Raisinville	1. 20
Summerfield	1. 30
Whiteford	1. 60

MONTCALM COUNTY

Township	Lime-stone	Marl	Sugar-beet refuse
Belvidere	\$2. 50	\$0. 90	\$1. 00
Bloomer	2. 50	1. 10	1. 10
Bushnell	2. 50	. 90	1. 10
Cato	2. 50	1. 10	1. 10
Crystal	2. 50	1. 10	. 90
Day	2. 50	. 90	. 90
Douglass	2. 50	1. 00	1. 00
Eureka	2. 50	1. 10	1. 20
Evergreen	2. 50	. 90	1. 10
Fairplain	2. 50	1. 00	1. 20
Ferris	2. 50	1. 00	. 90
Home	2. 50	. 90	. 90
Maple Valley	2. 50	1. 10	1. 20
Montcalm	2. 50	1. 00	1. 10
Pierson	2. 50	1. 10	1. 30
Pine	2. 50	. 80	1. 10
Reynolds	2. 50	1. 10	1. 20
Richland	2. 50	. 90	. 80
Sidney	2. 50	. 80	1. 10
Winfield	2. 50	. 90	1. 10

MUSKEGON COUNTY

Township	Lime-stone	Marl	Paper mill refuse
Blue Lake	\$2. 50	\$0. 90	\$1. 00
Casnovia	2. 50	. 80	1. 00
Cedar Creek	2. 50	. 90	. 90
Dalton	2. 50	. 90	. 90
Egelston	2. 50	. 90	. 90
Fruitland	2. 50	. 90	. 90
Fruitport	2. 50	. 90	. 90
Holton	2. 50	. 70	1. 00
Laketon	2. 50	. 90	. 70
Montague	2. 50	. 80	1. 00
Moorland	2. 50	. 90	1. 00
Muskegon	2. 50	. 90	. 80
Norton	2. 50	. 90	. 70
Ravenna	2. 50	. 80	1. 00
Sullivan	2. 50	. 90	. 90
Whitehall	2. 50	. 70	1. 00
White River	2. 50	. 90	1. 00

NEWAYGO COUNTY

Township	Lime-stone	Marl
Ashland	\$2. 30	\$0. 70
Barton	2. 60	. 80
Beaver	2. 60	. 70
Big Prairie	2. 50	. 90
Bridgeton	2. 50	. 80
Brooks	2. 30	. 80
Croton	2. 50	. 90
Dayton	2. 30	. 70
Denver	2. 50	. 70
Ensley	2. 50	. 70
Everett	2. 30	. 80
Garfield	2. 30	. 70
Goodwell	2. 50	. 80
Grant	2. 30	. 70
Home	2. 60	. 90
Lilley	2. 50	. 90
Lincoln	2. 50	. 80
Merrill	2. 50	. 90
Monroe	2. 50	. 90
Norwich	2. 50	. 70
Sheridan	2. 30	. 70
Sherman	2. 30	. 70
Troy	2. 60	. 80
Wilcox	2. 30	. 90

OAKLAND COUNTY

Township	Lime-stone
Addison	\$2. 30
Avon	2. 30
Bloomfield	2. 30

OAKLAND COUNTY—Continued

Township	Lime-stone
Brandon	\$2. 50
Commerce	2. 30
Farmington	2. 30
Groveland	2. 50
Highland	2. 30
Holly	2. 50
Independence	2. 30
Lyon	2. 30
Milford	2. 30
Novi	2. 30
Oakland	2. 30
Orion	2. 30
Oxford	2. 30
Pontiac	2. 30
Rose	2. 30
Royal Oak	2. 30
Southfield	2. 30
Springfield	2. 30
Troy	2. 30
Waterford	2. 30
West Bloomfield	2. 30
White Lake	2. 30

OCEANA COUNTY

Township	Marl
Benona	\$0. 80
Claybanks	. 80
Colfax	. 90
Crystal	. 80
Elbridge	. 80
Ferry	. 80
Golden	. 70
Grant	. 70
Greenwood	. 70
Hart	. 80
Leavitt	. 80
Newfield	. 80
Otto	. 80
Pentwater	. 80
Shelby	. 80
Weare	. 80

OGEMAW COUNTY

Township	Marl
Churchill	\$1. 00
Cumming	. 70
Edwards	. 70
Foster	. 90
Goodar	. 90
Hill	. 80
Horton	. 90
Klacking	. 70

OGEMAW COUNTY—Continued

Township	Marl
Logan.....	\$0. 70
Mills.....	1. 00
Ogemaw.....	. 90
Richland.....	. 90
Rose.....	. 70
West Branch.....	. 90

ONTONAGON COUNTY

Township	Carbide refuse
Bergland.....	\$1. 30
Haight.....	1. 40
Interior.....	1. 40
McMillan.....	1. 40
Matchwood.....	1. 40
Rockland.....	1. 40
Stannard.....	1. 40

OSCEOLA COUNTY

Township	Marl
All townships.....	\$0. 80

OSCODA COUNTY

Big Creek.....	\$1. 00
Clinton.....	. 80
Comins.....	. 70
Elmer.....	. 80
Greenwood.....	1. 00
Mentor.....	1. 00

OTSEGO COUNTY

Township	Lime- stone	Marl
All townships.....	\$2. 10	\$1. 10

OTTAWA COUNTY

Allendale.....	\$2. 50	\$0. 70
Blendon.....	2. 40	. 70
Chester.....	2. 60	. 60
Crockery.....	2. 80	. 80
Georgetown.....	2. 30	. 70
Grand Haven.....	2. 50	. 70
Holland.....	2. 30	. 90
Jamestown.....	2. 30	. 70

OTTAWA COUNTY—Continued

Township	Lime- stone	Marl
Olive.....	\$2. 30	\$0. 90
Park.....	2. 30	. 90
Polkton.....	2. 70	. 90
Port Sheldon.....	2. 30	. 80
Robinson.....	2. 50	. 70
Spring Lake.....	2. 50	. 80
Tallmadge.....	2. 50	. 80
Wright.....	2. 50	. 80
Zeeland.....	2. 30	. 80

PRESQUE ISLE COUNTY

Township	Lime- stone
Allis.....	\$1. 00
Bearinger.....	. 80
Belknap.....	. 60
Bismarck.....	. 70
Case.....	. 80
Krakow.....	. 80
Metz.....	. 70
Moltke.....	. 60
North Allis.....	1. 00
Ocqueoc.....	. 70
Posen.....	. 80
Presque Isle.....	. 90
Pulawski.....	. 90
Rogers.....	. 50

ROSCOMMON COUNTY

Township	Lime- stone	Marl	Wood ashes
Backus.....	\$2. 80	\$1. 10	\$1. 10
Denton.....	2. 80	1. 10	1. 10
Gerrish.....	2. 60	1. 10	1. 10
Higgins.....	2. 60	1. 10	1. 10
Lake.....	2. 80	1. 10	1. 10
Lyon.....	2. 80	1. 10	1. 10
Markey.....	2. 60	1. 10	1. 10
Nester.....	3. 00	1. 10	1. 10
Richfield.....	2. 80	1. 10	1. 10
Roscommon.....	3. 00	1. 10	1. 10

SAGINAW COUNTY

Township	Sugar- beet refuse
Albea.....	\$0. 80
Birch Run.....	. 80
Blumfield.....	. 70
Brady.....	. 90

SAGINAW COUNTY—Continued

Township	Sugar-beet refuse
Brant	\$0. 80
Bridgeport	. 80
Buena Vista	. 70
Carrollton	. 70
Chapin	. 90
Chesaning	. 90
Frankenmuth	. 80
Fremont	. 80
James	. 70
Jonesville	. 80
Kochville	. 70
Lakefield	. 80
Maple Grove	. 80
Marion	. 90
Richland	. 70
Saginaw	. 70
St. Charles	. 80
Spaulding	. 70
Swan Creek	. 80
Taymouth	. 80
Thomas	. 70
Tittabawassee	. 70
Zilwaukee	. 70

ST. CLAIR COUNTY

Township	Lime-stone	Sugar-beet refuse
Berlin	\$2. 50	
Brockway	2. 50	\$1. 20
Burtchville	2. 50	1. 00
Casco	2. 50	
China	2. 50	
Clay	2. 50	
Clyde	2. 50	1. 20
Columbus	2. 50	
Cottrallville	2. 50	
East China	2. 50	
Emmett	2. 50	1. 30
Fort Gratiot	2. 50	1. 20
Grant	2. 50	1. 00
Greenwood	2. 50	1. 10
Ira	2. 50	
Kenockee	2. 50	1. 20
Kimball	2. 50	1. 30
Lynn	2. 50	1. 30
Mussey	2. 50	
Port Huron	2. 50	1. 30
Riley	2. 50	
St. Clair	2. 50	
Wales	2. 50	

ST. JOSEPH COUNTY

Township	Lime-stone	Marl
Burr Oak	\$2. 50	\$0. 90
Colon	2. 60	. 80
Constantine	2. 50	. 90
Fabius	2. 50	1. 10
Fawn	2. 50	1. 00
Florence	2. 50	. 90
Flowerfield	2. 60	1. 10
Leonidas	2. 60	. 90
Lockport	2. 50	. 80
Mendon	2. 50	. 80
Mottville	2. 50	. 90
Nottawa	2. 50	. 80
Park	2. 60	. 80
Sherman	2. 60	1. 10
Sturgis	2. 50	. 90
White Pigeon	2. 50	. 90

SANILAC COUNTY

Township	Sugar-beet refuse
All townships	\$1. 20

SCHOOLCRAFT COUNTY

Township	Lime-stone
All townships	\$2. 50

SHIAWASSEE COUNTY

Township	Lime-stone
Antrim	\$2. 30
Bennington	2. 40
Burns	2. 40
Caledonia	2. 40
Fairfield	2. 40
Hazelton	2. 50
Middlebury	2. 40
New Haven	2. 50
Owosso	2. 40
Perry	2. 30
Rush	2. 40
Sciota	2. 30
Shiawassee	2. 40
Venice	2. 40
Vernon	2. 40
Woodhull	2. 30

TUSCOLA COUNTY

Township	Sugar-beet refuse
Arbela.....	\$0. 90
Dayton.....	. 90
Ellington.....	. 90
Fremont.....	. 90
Indian Fields.....	. 80
Juniata.....	. 80
Kingston.....	. 90
Koylton.....	. 90
Millington.....	. 90
Novesta.....	. 90
Tuscola.....	. 90
Vassar.....	. 90
Watertown.....	. 90
Wells.....	. 90

VAN BUREN COUNTY

Township	Lime-stone	Marl
Almena.....	\$2. 20	\$0. 80
Antwerp.....	2. 20	. 80
Arlington.....	2. 20	. 90
Bangor.....	2. 30	. 90
Bloomington.....	2. 00	. 90
Columbia.....	2. 00	. 90
Covert.....	2. 30	1. 10
Decatur.....	2. 50	1. 10
Geneva.....	2. 00	. 90
Hamilton.....	2. 40	1. 10
Hartford.....	2. 40	. 80
Keeler.....	2. 40	. 90
Lawrence.....	2. 20	. 90
Paw Paw.....	2. 30	1. 10
Pine Grove.....	2. 50	. 80
Porter.....	2. 50	. 90
South Haven.....	2. 00	1. 10
Waverly.....	2. 10	. 90

WASHTENAW COUNTY

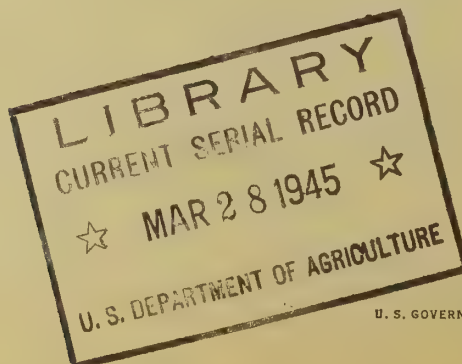
All townships.....	\$2. 50	\$1. 00
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WAYNE COUNTY

Township	Lime-stone
Brownstown.....	\$1. 40
Canton.....	1. 50
Dearborn.....	1. 40
Ecorse.....	1. 40
Gratiot.....	2. 00
Grosse Isle.....	1. 40
Huron.....	1. 50
Livonia.....	1. 60
Monguagon.....	1. 40
Nankin.....	1. 50
Northville.....	1. 60
Plymouth.....	1. 50
Redford.....	1. 50
Romulus.....	1. 50
Sumpter.....	1. 60
Taylor.....	1. 50
Van Buren.....	1. 60

WEXFORD COUNTY

Township	Marl	Wood ashes
Antioch.....	\$0. 80	\$0. 90
Boon.....	. 90	. 90
Cedar Creek.....	. 70	. 90
Cherry Grove.....	. 70	. 90
Clam Lake.....	. 70	. 90
Colfax.....	. 70	. 90
Greenwood.....	. 70	. 90
Hanover.....	. 80	. 90
Haring.....	. 80	. 90
Henderson.....	. 80	. 90
Liberty.....	. 70	. 90
Selma.....	. 80	. 90
Slagle.....	. 90	. 90
South Branch.....	. 80	. 90
Springville.....	. 90	. 90
Wexford.....	. 80	. 90



UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL ADJUSTMENT AGENCY

Washington, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

NORTH CENTRAL REGION

MINNESOTA COMMITTEEMAN'S PRACTICE HANDBOOK

The 1945 Farm Program is designated to assist the farmers of Minnesota to the fullest possible extent in protecting their soils against damage from erosion and loss of fertility.

The county committee, with the approval of the State committee, may designate those practices which will be approved for payment in the county in order that the farm allowances will be used most effectively to bring about increased conservation, or the county committee may specify for any group of farms a proportion of the farm allowances which may be earned only by carrying out certain designated practices which are very much needed.

A. CONSERVATION PRACTICE ALLOWANCE

The practice allowance is the maximum amount of payment that may be made for carrying out approved conservation practices:

(1) Except as limited by practice provisions the allowance for the following special practices shall be the extent of such practices times the approved rate: Contouring Intertilled Crops, Contour Seeding, Establishing Contour Stripcropping, Field Stripcropping, Establishing Sod Waterways, Maintaining Sod Waterways, and Clearing Farmland.

(2) The allowance for regular practices shall be the sum of the following, or \$20, whichever is greater:

- (a) 55 cents times the acreage classified as cropland.
- (b) The county rate per acre for noncrop open pasture times the acreage classified as noncrop open pasture.
- (c) 55 cents times the acreage classified as commercial orchards.

B. CONSERVATION PRACTICES

The practices available for 1945 are those which are most needed in order to conserve and improve soil fertility, improve pasture land, prevent wind and water erosion, and promote conservation and better utilization of water. Assistance will be available through the conservation practice allowance for carrying out the following practices during the program year January 1, 1945, through December 31, 1945. To qualify for payment, each practice must be carried out in accordance with the specifications for that practice and be in keeping with good farming practices for the locality.

The total extent of any practice performed shall be reduced for purposes of payment by the percentage of the total cost of the practice which the county committee determines was furnished by a State or Federal agency. The extent of any practice shall not be reduced be-

cause a portion of the cost is represented by materials or services furnished by the A. A. A., or equipment furnished by S. C. S., or materials or services furnished by an agency of a State or political subdivision thereof to another agency or political subdivision of the same State, or trees purchased from a Clark-McNary Cooperative State Nursery.

All **special practices** listed under this section are designated by asterisks (**). Practices not designated as special practices will be considered as **regular practices**:

(1) ****Contouring intertilled crops.**—Contour farming of intertilled crops, provided the crop stubble is left standing or a good stand of a winter cover crop is obtained. Credit will not be given for this practice on land which has a slope of less than 2 percent. If there is danger of erosion in waterways, such waterways must be permanently established in sod. No credit will be given for this practice for any acreage qualifying under the Contour Stripcropping practices.—**\$1.50 per acre.**

(2) ****Contour seeding.**—Contour seeding, by drilling, of small grain crops, sorghums, millet and soybeans. If there is danger of erosion in waterways, such waterways must be permanently established in sod. No credit will be given for this practice for any acreage qualifying under the Contour Stripcropping practices. All tillage operations in connection with the seeding must be on the contour.—**\$0.50 per acre.**

(3) ****Establishing contour stripcropping.**—By growing alternate strips of intertilled crops with sown, close-drilled, or sod crops, on the contour: *Provided*, (1) The strips are approximately the same width; (2) the strips are not less than 3 rods nor more than 9 rods in width; and (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained. Buffer strips must be at least 1 rod in width.—**\$2.50 per acre.**

(4) **Maintaining contour stripcropping.**—Maintaining contour stripcropping previously established, by growing alternate strips of intertilled crops with sown, close-drilled, or sod crops, on the contour: *Provided*, (1) The strips are approximately the same width; (2) the strips are not less than 3 rods nor more than 9 rods in width; and (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained. When in the normal course of crop rotation it is necessary to have two adjacent strips of sown, close-drilled, or sod crops, payment will be made for the entire field. Buffer strips must be at least 1 rod in width.—**\$1 per acre.**

(5) ****Field stripcropping to control wind erosion.**—By growing alternate strips of intertilled crops with sown, close-drilled, or sod crops: *Provided*, (1) The strips are approximately parallel and are laid out at right angles to the prevailing winds or in a continuous “S” so that winds cannot blow parallel to the rows of crops; (2) the strips are not less than 3 rods nor more than 20 rods in width; and (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained. Buffer strips must be at least 1 rod in width.—**\$0.50 per acre.**

(6) ****Field stripcropping to control water erosion.**—By growing alternate strips of intertilled crops with sown, close-drilled, or sod crops: *Provided*, (1) The strips are approximately the same width; (2) the strips are approximately parallel and are laid out across the

general slope; and (3) the strips are not less than 3 rods nor more than 9 rods in width; and (4) the crop stubble is left standing or a good stand of a winter cover crop is obtained. No credit will be given for this practice on land which has a slope of less than 2 percent. Buffer strips must not be less than 1 rod in width.—**\$0.50 per acre.**

(7) **Standard terraces.**—With the prior approval of the county committee, construction of standard terraces for which proper outlets are provided. The terraces should be constructed to conform with specifications for standard terraces for the area as recommended by the U. S. Department of Agriculture.—**\$1 per 100 lin. ft.**

(8) ****Establishing sod waterways.**—Establishing a permanent sod waterway on any cropland where a permanent vegetative cover is necessary in a waterway channel or terrace outlet, or in cultivated orchards. The channel of the waterway must be sufficiently wide to carry the run-off from the drainage area and must be at least one rod in width at the narrowest point. The channel must contain perennial grasses, and a good vegetative growth must be obtained.—**\$0.75 per 1,000 sq. ft.**

(9) ****Maintaining sod waterways.**—Maintaining an established sod waterway at least one rod wide in a field which is devoted to inter-tilled crops, by lifting the plow when the waterway is crossed, mowing, sodding, or reseeding breaks in the sod, protecting from damage by livestock, and by use of other practices necessary to maintain a good vegetative cover. No credit will be given for this practice for any waterway for which credit is given under Practice (8).—**\$0.25 per 1,000 sq. ft.**

(10) **Seeding of depleted pasture on land designated as non-crop open pasture:**

(a) Seedings consisting solely of timothy, red top, sweet clover, or a mixture of such crops.—**\$0.10 per lb.**

(b) Seedings consisting of adapted pasture grasses, perennial or biennial legumes (except sweet clover), or approved pasture mixtures.—**\$0.25 per lb.**

(11) **Mowing weeds.**—Mowing weeds on pasture land a sufficient number of times during the growing season to prevent weed seed formation and improve the stand of grasses or legumes, and by carrying out such other pasture improvement practices as the county committee may require. No hay or seed crop may be taken from the acreage.—**\$0.50 per mowing per acre.**

(12) **Green manure crops.**—Disking or plowing under a good stand and a good growth of the following crops. If the land is subject to erosion and the green manure crop is plowed down in the fall, the land must be protected by a winter cover crop.—**\$1.50 per acre:**

(a) Alsike or red clover turned under in the fall.

(b) Sweet clover.

(c) Buckwheat.

(d) Winter rye seeded in the fall of 1944, except that acreage for which a 1944 winter cover crop practice payment was made.

(13) **Protecting summer fallow.**—Protecting summer fallowed acreage from wind and water erosion by contour listing, pit cultivation, contour cultivation with a shovel-type implement, cultivation with a rod weeder, or any other implement approved by the county committee, incorporating stubble and straw into the soil. In approval of this practice for payment, the county committee shall consider whether the cultivations were started by the date set by the State com-

mittee, and whether the cultivations were continued through the season in a manner that prevented weed growth and secured a maximum amount of moisture conservation. No credit will be given for this practice for any acreage qualifying under the practices for Strip-cropping. No credit will be given for this practice if the acreage to be summer fallowed has been burned.—**\$1.25 per acre.**

(14) **Farm ditches.**—With prior approval of the county committee, construction or cleaning out of farm ditches (except those constructed or maintained by a drainage district), including lateral and lead ditches, for which proper outlets are provided. Adequate provision must be made for entrance of water into and out of the ditches, and the ditches must have sufficient capacity to remove the normal excess surface water. Where ditches are constructed under an approved Pooling Agreement, the \$5 per 100 lin. ft. limitation will be removed.—**\$0.08 per cu. yd. of material moved, but not in excess of \$5 per 100 lin. ft.**

(15) **Excavation of ditches for tile drainage.**—With prior approval of the county committee, excavation for the purpose of installation of tile drains, provided the size of tile, outlets, and gradient meet the specifications for standard drainage as recommended by the U. S. Department of Agriculture; not less than 75 percent of the area to be drained is cropland; and no part of the tile lines is to be used for any other purpose than the draining of agricultural land.—**\$0.40 per rod.**

(16) **Harvesting hayseed.**—Harvesting for seed an acreage of alfalfa, red clover, alsike, sweet clover, white clover, brome grass, and Reed's canary grass. Credit will not be given for more than 25 acres per farm.—**\$3.50 per acre.**

(17) **Weed control.**—With prior approval of the county committee, eradication or effective control of seriously infested plots of the following perennial noxious weeds: **Canada thistle, creeping Jenny, perennial sow thistle, and quack grass.** Payment for this practice may be approved only on farms where approved weed control measures are being carried out on all adjacent infested farms and contiguous land, where the infestation is limited to a single farm, or where the county committee determines that there is no likelihood of reinfestation from adjacent or contiguous land.

(a) By use of sodium chlorate or other chemicals (excluding borax).—**\$0.10 per lb.**

(b) By use of borax.—**\$0.03 per lb.**

(c) By clean tillage or mechanical burning (except quack grass).—**\$10 per acre.**

(d) Quack grass control by clean tillage in the following counties: Kittson, West Polk, Norman, Clay, Wilkin, and Marshall County in the townships west of East Park, New Maine, Newfolden, and New Solum.—**\$2.50 per acre.**

(e) Quack grass control by clean tillage in all other areas.—**\$5 per acre.**

(18) **Tree planting.**—Prior approval of the site and of the variety of the tree to be planted must be obtained from the county committee. The plantings must be made in accordance with good tree culture and the new planting must be protected from fire and grazing. The following varieties of trees may be approved for payment provided they are adapted to the particular soil type, climatic conditions, moisture conditions, and site: Red pine, jack pine, white spruce, eastern white pine, black spruce, tamarack, northern white cedar, sugar maple, yel-

low birch, basswood, American elm, green ash, white ash, white pine, Norway spruce, cottonwood, box elder, red oak, yellow poplar, Chinese elm, and willow.

(a) Planting for forest purposes or gully control.—\$1 per 100 trees but not in excess of \$7.50 per acre.

(b) Planting for windbreak purposes.—\$2 per 100 trees.

(19) **Tree maintenance.**—Maintaining for forest purposes, a good stand of at least 300 trees per acre, or for windbreak purposes, a good stand of at least 250 trees per acre, which have been planted between January 1, 1940, and January 1, 1945, by cultivating sufficiently to control other vegetation, protecting from fire and grazing, and replanting if necessary.—\$3 per acre.

(20) **Mulching materials.**—Application of straw, hay, or shredded corn stalks in commercial orchards, in vineyards, on commercial vegetable land, on potato land, or on strawberries or other small fruits.—\$4 per ton.

(21) **Liming materials** (credit rates are contained in NCR-901-Minn., Suppl. 1).—Application of the following materials:

(a) **One ton of agricultural ground limestone** containing at least 80 percent calcium carbonate equivalent, and ground sufficiently fine so that 80 percent, including all of the finer particles obtained in the grinding process, will pass through an 8-mesh sieve. The moisture content at the time of shipment must not exceed 8 percent. The specifications for calcium carbonate content and percent of material passing through an 8-mesh sieve must be such that the multiplication of these specifications will be equal to or in excess of 0.72. If the ground limestone will not qualify with respect to either fineness or calcium carbonate content, or both, the county committee must require a correspondingly greater amount of material.

(b) **One ton of calcium carbide lime** containing at least 80 percent of calcium carbonate and testing not more than 35 percent moisture at the shipping point. A correspondingly greater amount of material must be required if the material does not meet the specifications.

(c) **One cubic yard of marl.**

(d) **One cubic yard of water-softening process lime.**

(e) **One ton of egg shells.**

(f) **One ton of hydrated lime.**

(22) **Fertilizers.**—Application of **superphosphate, rock phosphate, and potash**, when such material is applied (1) to **new seedings** of biennial or perennial legumes, perennial grasses, winter legumes, or permanent pasture (no credit will be given for materials furnished by the Agricultural Adjustment Agency applied to a seeding if wheat is used as a nurse crop); (2) to **old stands** of biennial and perennial legumes, perennial grasses, or permanent pasture, provided the acreage on which such applications are made is not devoted to, cultivated for, or plowed for any other crop during the program year; and (3) to **green manure crops** in orchards.

(a) Application of superphosphate or defluorinated phosphate rock.—\$5.50 per 100 lbs. of available P_2O_5 .

(b) Application of rock phosphate.—\$0.75 per 100 lbs.

(c) Application of potash.—\$3.35 per 100 lbs of available K_2O .

(d) 100 lbs. of 0-9-27----- \$1.40

(e) 100 lbs. of 0-10-20----- 1.20

(f) 100 lbs. of 0-12-12----- 1.05

(g) 100 lbs. of 0-12-24----- 1.45

(h) 100 lbs. of 0-12-36----- 1.85

(i) 100 lbs. of 0-14-7----- 1.00

(j) 100 lbs. of 0-14-14----- 1.25

(k) 100 lbs. of 0-18-0----- 1.00

(l) 100 lbs. of 0-19-0----- \$1.05

(m) 100 lbs. of 0-20-0----- 1.10

(n) 100 lbs. of 0-20-10----- 1.45

(o) 100 lbs. of 0-20-20----- 1.75

(p) 100 lbs. of 0-20-15----- 2.15

(q) 100 lbs. of 2-12-6----- .85

(r) 100 lbs. of 2-16-8----- 1.15

(s) 100 lbs. of 3-9-18----- 1.10

(t) 100 lbs. of 3-12-12----	\$1. 05	(z) 100 lbs. of 4-24-12----	\$1. 70
(u) 100 lbs. of 3-18-9-----	1. 30	(aa) 100 lbs. of 6-12-18----	1. 25
(v) 100 lbs. of 4-10-6-----	. 75	(bb) 100 lbs. of 8-8-8-----	. 70
(w) 100 lbs. of 4-12-4-----	. 80	(cc) 100 lbs. of 8-16-12----	1. 30
(x) 100 lbs. of 4-16-0-----	. 90	(dd) 100 lbs. of 10-6-4----	. 45
(y) 100 lbs. of 4-16-16----	1. 40		

(23) **Gypsum.**—Application of 100 pounds of gypsum containing at least 18 percent sulphur (or its equivalent).

- (a) In Clearwater, Itasca, and Koochiching Counties.—\$0.70.
- (b) In Lake of the Woods County.—\$0.80.
- (c) In all other counties.—\$0.60.

CUT-OVER AREA PRACTICES

The cut-over area includes the following counties: Aitkin, Anoka, Becker, Beltrami, Benton, Carlton, Cass, Chisago, Clearwater, Crow Wing, Douglas, East Otter Tail, East Polk, Hubbard, Isanti, Itasca, Kanabec, Koochiching, Lake, Lake of the Woods, Mahnommen, Mille Lacs, Morrison, North St. Louis, South St. Louis, Pennington, Pine, Ramsey, Red Lake, Rouseau, Sherburne, Todd, and Wadena.

(24) **Clearing farm land now unsuited for tillage, on farms with less than 60 acres of cropland.**—Prior approval of the county committee must be obtained in all cases. All loose stone, stumps, underbrush, and forest tree growth must be removed and hummocks leveled. No credit will be given for clearing land which is now supporting a stand of merchantable timber. However, approval must not be given where it is clear that water erosion hazards will result or where soils of the land to be cleared are not equal to or superior to the soils now under cultivation on the farm. Land on which it appears that it would be necessary to remove stones annually in large quantities should not receive the approval of the committee. Land which must be drained before being put into cultivation must not be approved unless the county committee is assured that adequate draining facilities will be provided by the farmer before the end of the program year. No credit will be given if the cost of clearing is less than \$20 per acre. Credit will not be given for more than 10 acres per farm.—\$10 per acre.

(25) **Improving pastures.**—With prior approval of the county committee, improvement of noncrop open pasture land which the county committee determines will, when improved, be capable of carrying at least one animal unit for each 2 acres during a pasture season of at least 4 months. Improvements shall include uprooting and removal of shrubs, leveling hummocks, carrying out an adequate system of mowing, and removing loose stones. Payment will not be made unless sufficient liming materials, fertilizers, and seed, where needed, are applied to obtain a good stand.—\$5 per acre.

C. DEFINITIONS

(1) **Farm.**—Farm means all adjacent or nearby farm land under the same ownership which is operated by one person, including also:

- (a) Any other adjacent or nearby farm land which the county committee, in accordance with instructions issued by the Agricultural Adjustment Agency, determines is operated by the same person as part of the same unit with respect to the rotation of crops and with workstock, farm

machinery, and labor substantially separate from that for any other lands; and

(b) Any field-rented tract (whether operated by the same or another person) which, together with any other land included in the farm, constitutes a unit with respect to the rotation of crops.

(c) A farm shall be regarded as located in the county in which the principal dwelling is situated, or if there is no dwelling thereon, it shall be regarded as located in the county in which the major portion of the farm is located.

(2) **Cropland.**—Cropland means farm land which in 1944 was tilled or was in regular rotation, excluding any land which constitutes, or will constitute if such tillage is continued, a wind-erosion hazard to the community, and excluding also, any land in commercial orchards.

(3) **Noncrop open pasture land.**—Noncrop open pasture land means pasture land (other than rotation pasture land) on which the predominant growth is forage suitable for grazing and on which the number or grouping of any trees or shrubs is such that the land could not fairly be considered as woodland.

(4) **Commercial orchards.**—Commercial orchards means the acreage on the farm in planted or cultivated fruit trees, nut trees, vineyards, hops, or bush fruits (excluding nonbearing orchards and vineyards), from which the major portions of the production is normally sold.

(5) **Person.**—Person means an individual, partnership, association, corporation, estate, or trust, or other business enterprise or other legal entity, and, wherever applicable, a State, a political subdivision of a State, or any agency thereof.

(6) **Producer.**—Producer means any person who as landlord, tenant, or sharecropper, participates in the operation of a farm.

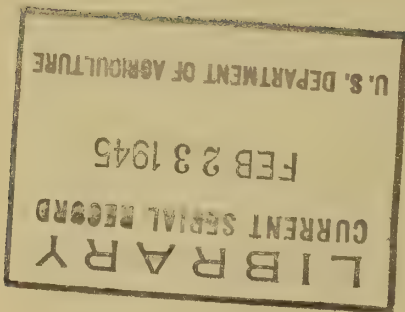
D. NONCROP OPEN PASTURE RATES TO BE USED IN COMPUTING FARM ALLOWANCES

County	Rate per acre (cents)	County	Rate per acre (cents)	County	Rate per acre (cents)
Aitkin	9	Goodhue	20	Morrison	14
Anoka	12	Grant	17	Mower	20
Becker	11	Hennepin	13	Murray	17
Beltrami	11	Houston	14	Nicollet	19
Benton	16	Hubbard	13	Nobles	19
Big Stone	19	Isanti	11	Norman	11
Blue Earth	20	Itasca	11	Olmsted	21
Brown	22	Jackson	20	Otter Tail	15
Carlton	15	Kanabec	15	Pennington	14
Carver	18	Kandiyohi	16	Pine	12
Cass	14	Kittson	14	Pipestone	19
Chippewa	19	Koochiching	11	Polk	13
Chisago	14	Lac Qui Parle	22	Pope	16
Clay	12	Lake	9	Ramsey	17
Clearwater	12	Lake of the Woods	9	Red Lake	12
Cook	8	Le Sueur	19	Redwood	21
Cottonwood	18	Lincoln	18	Renville	20
Crow Wing	13	Lyon	19	Rice	15
Dakota	15	McLeod	19	Rock	19
Dodge	22	Mahnomen	17	Roseau	12
Douglas	14	Marshall	12	St. Louis	8
Faribault	22	Martin	19	Scott	15
Fillmore	19	Meeker	17	Sherburne	12
Freeborn	18	Mille Lacs	15	Sibley	18

<i>County</i>	<i>Rate per acre (cents)</i>	<i>County</i>	<i>Rate per acre (cents)</i>	<i>County</i>	<i>Rate per acre (cents)</i>
Stearns-----	18	Traverse-----	16	Watsonwan-----	19
Steele-----	19	Wabasha-----	17	Wilkin-----	14
Stevens-----	19	Wadena-----	12	Winona-----	18
Swift-----	19	Wascoa-----	19	Wright-----	13
Todd-----	14	Washington-----	15	Yellow Medicine-----	18

E. POOLING OF PRACTICE ALLOWANCES

Producers in any local area may agree in writing with the approval of the State Committee to combine all or any part of their farm allowances for the performance of practice No. (14) Farm Ditches, provided their farms are benefited by the construction of the ditches. For purposes of payment the practice carried out under an approved pooling agreement will be regarded as having been carried out on the farms of the producers who performed the practice.



UNITED STATES DEPARTMENT OF AGRICULTURE
 AGRICULTURAL ADJUSTMENT AGENCY
 WASHINGTON, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM NORTH CENTRAL REGION

SUPPLEMENT 1 TO MINNESOTA COMMITTEEMAN'S PRACTICE
 HANDBOOK

1945 CREDIT RATES FOR LIMING MATERIALS

Materials for which the credit rates are the same throughout the State:

Type of material	Credit rate
Water-softening process lime	\$0.80 per cu. yd.
Hydrated lime	4.00 per ton
Eggshells	1.00 per ton

The following are the credit rates for the other liming materials for which credit will be given in your county. The rates for limestone and carbide refuse are on a ton basis and the rates for marl and paper mill refuse are on a cubic yard basis.

ANOKA COUNTY

Township	Limestone
Anoka	\$1. 40
Bethel	1. 60
Blaine	1. 40
Burns	1. 60
Centerville	1. 40
Columbus	1. 50
Fridley	1. 30
Grow	1. 40
Ham Lake	1. 40
Linwood	1. 70
Oak Grove	1. 50
Ramsey	1. 50
St. Francis	1. 70

CARLTON COUNTY

Township	Lime-stone	Papermill Refuse
All townships	\$2. 80	\$1. 40

CASS COUNTY

Township	Lime-stone	Marl
All townships	\$2. 50	\$1. 20

CHISAGO COUNTY

Amador	\$1. 90	\$0. 80
Branch	1. 90	. 70
Chisago Lake	1. 90	1. 00
Fish Lake	1. 90	. 70
Franconia	1. 90	1. 10
Harris	1. 90	. 60
Lent	1. 90	. 80
Nessel	1. 90	. 60
Rushseba	1. 90	. 50
Shafer	1. 90	. 90
Sunrise	1. 90	. 70
Wyoming	1. 90	. 90

BENTON COUNTY

Township	Lime-stone	Marl
Alberta	\$2. 00	\$0. 90
Gilmanton	2. 00	. 80
Glendorado	2. 00	. 80
Graham	2. 00	. 90
Granite Ledge	2. 00	. 90
Langola	2. 00	. 90
Mayhew Lake	2. 00	. 80
Maywood	2. 00	. 90
Minden	2. 00	. 80
St. George	2. 00	. 80
Sauk Rapids	2. 00	. 80
Watab	2. 00	. 80

CROW WING COUNTY

All townships	\$2. 60	\$1. 40
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DAKOTA COUNTY

Township	Limestone
Burnsville	\$1. 40
Castle Rock	1. 30
Douglas	1. 30
Eagan	1. 30
Empire	1. 30
Eureka	1. 30
Greenvale	1. 20
Hampton	1. 30
Hastings	1. 40
Invergrove	1. 50
Lakeville	1. 30
Lebanon	1. 40
Marshan	1. 30
Mendota	1. 30
Nininger	1. 40
Randolph	1. 30
Ravenna	1. 50
Rosemount	1. 40
Sciota	1. 20
Vermillion	1. 30
Waterford	1. 20

DODGE COUNTY

Ashland	\$1. 30
Canisteo	1. 30
Claremont	1. 40
Concord	1. 30
Ellington	1. 40
Hayfield	1. 40
Manterville	1. 20
Milton	1. 30
Ripley	1. 40
Vernon	1. 30
Wasioja	1. 30
Westfield	1. 50

FILLMORE COUNTY

Amherst	\$1. 20
Arendahl	1. 40
Beaver	1. 20
Bloomfield	1. 20
Bristol	1. 30
Canton	1. 20
Carimona	1. 30
Carrollton	1. 40
Chatfield	1. 40
Fillmore	1. 40
Forestville	1. 20
Fountain	1. 40
Harmony	1. 20
Holt	1. 40
Jordan	1. 40
Newburg	1. 30
Norway	1. 40
Pilot Mound	1. 40

FILLMORE COUNTY—Continued

Township	Limestone
Preble	\$1. 30
Preston	1. 20
Rushford	1. 40
Spring Valley	1. 10
Sumner	1. 40
York	1. 20

FREEBORN COUNTY

Alberta Lea	\$1. 60
Alden	2. 10
Bancroft	1. 90
Bath	2. 10
Carlston	2. 40
Freeborn	2. 40
Freeman	1. 60
Geneva	1. 90
Hartland	2. 40
Hayward	1. 40
London	1. 10
Manchester	2. 10
Mansfield	2. 10
Moscow	1. 40
Newry	1. 60
Nunda	1. 90
Oakland	1. 10
Pickere Lake	1. 90
Riceland	1. 60
Shell Rock	1. 40

GOODHUE COUNTY

Belle Creeke	\$1. 30
Belvidere	1. 30
Burnside	1. 60
Cannon Falls	1. 30
Central Point	1. 40
Cherry Grove	1. 30
Featherstone	1. 30
Florence	1. 40
Goodhue	1. 30
Hay Creek	1. 30
Holden	1. 30
Kenyon	1. 30
Leon	1. 30
Minneola	1. 30
Pine Island	1. 30
Roscoe	1. 30
Stanton	1. 30
Vasa	1. 30
Wacouta	1. 30
Wanamingo	1. 30
Warsaw	1. 30
Welch	1. 40
Zumbrota	1. 30

HENNEPIN COUNTY

Township	Limestone
Bloomington	\$1. 20
Brooklyn	1. 20
Brooklyn Center	1. 20
Champlin	1. 30
Corcoran	1. 40
Crystal	1. 20
Dayton	1. 60
Eden Prairie	1. 30
Edina	1. 20
Excelsior	1. 60
Golden Valley	1. 10
Greenwood	1. 60
Hassan	1. 70
Independence	1. 60
Maple Grove	1. 40
Medina	1. 40
Minnetonka	1. 30
Minnetrista	1. 80
New Hope	1. 20
Orono	1. 40
Plymouth	1. 20
Richfield	1. 00
St. Louis Park	1. 10
St. Anthony	1. 10

HOUSTON COUNTY

Black Hammer	\$1. 40
Brownsville	1. 60
Caledonia	1. 40
Crooked Creek	1. 60
Hokah	1. 60
Houston	1. 60
Jefferson	1. 60
La Crescent	1. 50
Mayville	1. 40
Money Creek	1. 60
Mound Prairie	1. 50
Sheldon	1. 50
Spring Grove	1. 40
Union	1. 40
Wilmington	1. 40
Winnebago	1. 40
Yucatan	1. 60

ISANTI COUNTY

Athens	\$1. 90
Bradford	1. 90
Cambridge	1. 90
Dalbo	2. 00
Isanti	1. 90
Maple Ridge	2. 00
North Branch	1. 90
Oxford	1. 90
Spencer Brook	2. 00
Springvale	1. 90
Stanchfield	1. 90
Stanford	1. 90
Wyanett	2. 00

ITASCA COUNTY

Township	Limestone
All townships	\$2. 70

KANABEC COUNTY

Township	Lime- stone	Marl
Ann Lake	\$2. 40	\$1. 20
Arthur	2. 40	1. 10
Brunswick	2. 40	1. 00
Comfort	2. 40	1. 00
Ford	2. 40	1. 20
Grass Lake	2. 40	. 90
Hay Brook	2. 40	1. 40
Hillman	2. 40	1. 20
Kanabec	2. 40	1. 10
Knife Lake	2. 40	1. 10
Kroschel	2. 40	1. 10
Peace	2. 40	1. 10
Pomroy	2. 40	1. 00
South Fork	2. 40	1. 10
Whited	2. 40	1. 00

LAKE COUNTY

Township	Carbide refuse
All townships	\$1. 10

MILLE LACS COUNTY

Township	Limestone
Bogus Brook	\$1. 90
Borgholm	1. 90
Bradbury	2. 10
Dailey	2. 10
East Side	2. 10
Greenbush	1. 90
Hayland	2. 00
Isle Harbor	2. 30
Kathio	2. 30
Lewis	2. 40
Milaca	1. 90
Milo	1. 90
Mudgett	2. 10
Onamia	2. 10
Page	2. 00
Princeton	1. 90
South Harbor	2. 10

MOWER COUNTY

Adams	\$1. 50
Austin	1. 10
Bennington	1. 20

MOWER COUNTY—Continued

Township	Limestone
Clayton	\$1. 30
Dexter	1. 30
Frankford	1. 10
Grand Meadow	1. 10
Lansing	1. 10
Le Roy	1. 20
Lodi	1. 40
Lyle	1. 10
Marshall	1. 30
Nevada	1. 20
Pleasant Valley	1. 10
Racine	1. 10
Red Rock	1. 30
Sargeant	1. 40
Udolpho	1. 30
Waltham	1. 30
Windom	1. 20

OLMSTED COUNTY

Cascade	\$1. 30
Dover	1. 20
Elmira	1. 30
Eyota	1. 20
Farmington	1. 30
Haverhill	1. 20
High Forest	1. 20
Kalmar	1. 30
Marion	1. 30
New Haven	1. 30
Orion	1. 30
Oronoco	1. 30
Pleasant Grove	1. 30
Quincy	1. 30
Rochester	1. 30
Rock Dell	1. 20
Salem	1. 30
Viola	1. 30

PINE COUNTY

Township	Lime-stone	Marl
Arlone	\$2. 30	\$0. 90
Arna	2. 30	1. 30
Barry	2. 30	. 80
Belden	2. 30	1. 40
Birch Creek	2. 30	1. 30
Bremen	2. 30	1. 30
Brook Park	2. 30	. 80
Bruno	2. 30	1. 30
Chengwatana	2. 30	. 70
Clover	2. 30	1. 00
Crosby	2. 30	1. 00

PINE COUNTY—Continued

Township	Lime-stone	Marl
Danforth	\$2. 30	\$1. 10
Dell Grove	2. 30	. 90
Dosey	2. 30	1. 40
Finlayson	2. 30	1. 10
Fleming	2. 30	1. 20
Hinckley	2. 30	. 80
Keene	2. 30	1. 30
Kerrick	2. 30	1. 40
Kettle River	2. 30	1. 20
Mission Creek	2. 30	. 70
Munch	2. 30	. 90
Nickerson	2. 30	1. 50
Norman	2. 30	1. 30
Ogema	2. 30	1. 20
Park	2. 30	1. 30
Partridge	2. 30	1. 10
Pine City	2. 30	. 70
Pine Lake	2. 30	1. 20
Pokegama	2. 30	. 70
Rock Creek	2. 30	. 60
Royalton	2. 30	. 70
Sandstone	2. 30	1. 10
Sturgeon Lake	2. 30	1. 20
Wilma	2. 30	1. 30
Windemere	2. 30	1. 30

RAMSEY COUNTY

Township	Limestone
All townships	\$1. 30

RICE COUNTY

Bridgewater	\$1. 30
Cannon City	1. 40
Erin	1. 60
Forest	1. 40
Morristown	1. 40
Northfield	1. 30
Richland	1. 40
Shieldsville	1. 60
Walcott	1. 20
Warsaw	1. 30
Webster	1. 40
Wells	1. 60
Wheatland	1. 60
Wheeling	1. 40

NORTH ST. LOUIS COUNTY

All townships	\$3. 20
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SHERBURNE COUNTY

Township	Lime-stone	Marl
Baldwin	\$1. 90	\$1. 00
Becker	2. 10	. 80
Big Lake	1. 90	. 70
Bluehill	1. 90	1. 00
Clear Lake	2. 10	. 90
Elk River	1. 70	. 80
Haven	2. 10	1. 00
Livonia	1. 90	. 90
Orrock	1. 90	. 80
Palmer	2. 10	. 90
Santiago	2. 10	1. 00

STEARNS COUNTY

Township	Marl
Albany	\$1. 00
Ashley	1. 00
Avon	1. 00
Brockway	1. 00
Collegeville	1. 00
Crow River	1. 00
Crow Lake	1. 00
Eden Lake	. 90
Fairhaven	. 90
Farming	1. 00
Getty	1. 00
Grove	1. 00
Holding	1. 00
Krain	1. 00
Lake George	1. 00
Lake Henry	1. 00
Le Sauk	1. 00
Luxemburg	. 90
Lynden	. 80
Main Prairie	. 90
Melrose	1. 00
Millwood	1. 00
Munson	1. 00
North Fork	1. 00
Oak	1. 00
Paynesville	1. 00
Raymond	1. 00
Rockville	. 90
St. Augusta	. 80
St. Cloud	. 90
St. Joseph	. 90
St. Martin	1. 00
St. Wendel	1. 00
Sauk Center	1. 00
Spring Hill	1. 00
Wakefield	1. 00
Zion	1. 00

STEELE COUNTY

Township	Limestone
Aurora	\$1. 30
Berlin	1. 40
Blooming Prairie	1. 40
Clinton Falls	1. 10
Deerfield	1. 20
Havana	1. 30
Lemond	1. 30
Medford	1. 10
Meriden	1. 30
Merton	1. 30
Owatonna	1. 20
Somerset	1. 30
Summit	1. 40

TODD COUNTY

All townships	\$2. 50
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WABASHA COUNTY

Chester	\$1. 30
Elgin	1. 30
Gillford	1. 30
Glasgow	1. 30
Greenfield	1. 50
Highland	1. 30
Hyde Park	1. 40
Lake	1. 30
Mazeppa	1. 40
Minneiska	1. 50
Mount Pleasant	1. 40
Oakwood	1. 40
Pepin	1. 40
Plainview	1. 30
Wabasha	1. 40
Watopa	1. 40
West Albany	1. 30
Zumbro	1. 40

WADENA COUNTY

Township	Marl
All townships	\$1. 20

WASECA COUNTY

Township	Limestone
Alton	\$1. 60
Blooming Grove	1. 40
Byron	1. 60
Freedom	1. 60

WASECA COUNTY—Continued

Township	Limestone
Iosco	\$1. 40
Janesville	1. 50
New Richland	1. 60
Otisco	1. 60
St. Mary	1. 50
Vivian	1. 60
Wilton	1. 60
Woodville	1. 50

WASHINGTON COUNTY

Township	Limestone	Marl
Afton	\$1. 30	\$0. 70
Baytown	1. 30	. 70
Cottage Grove	1. 30	. 80
Denmark	1. 30	. 80
Forest Lake	1. 60	. 80
Grant	1. 40	. 70
Lakeland	1. 30	. 70
Lincoln	1. 40	. 70
May	1. 50	. 80
Newport	1. 30	. 80
New Scandia	1. 60	. 80
Oakdale	1. 30	. 70
Oneka	1. 50	. 80
Stillwater	1. 40	. 70
Woodbury	1. 30	. 70

WINONA COUNTY

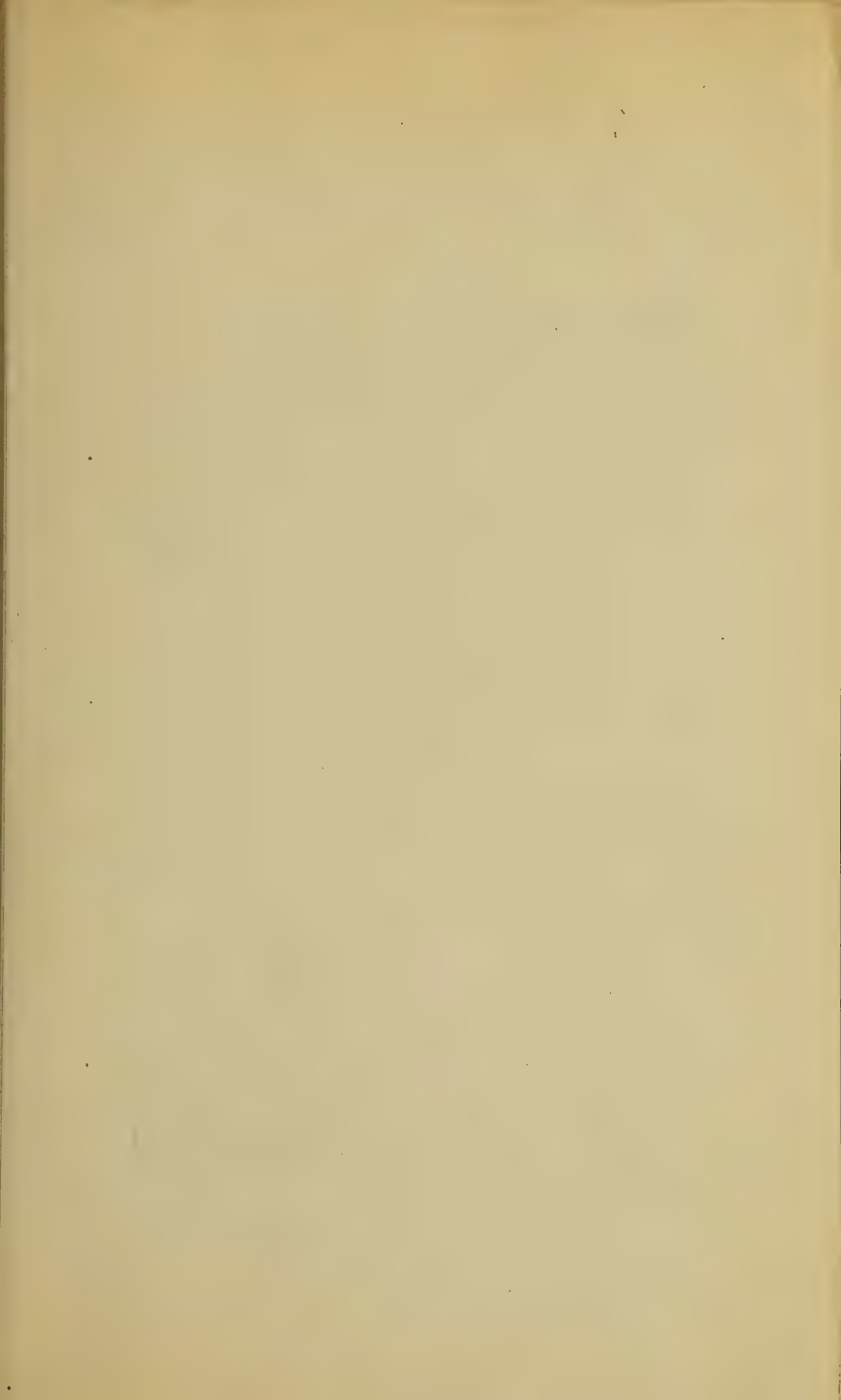
Township	Limestone
Dresbach	\$1. 60
Elba	1. 40
Fremont	1. 40
Hart	1. 40
Hillsdale	1. 50

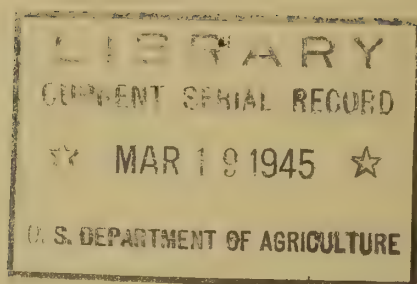
WINONA COUNTY—Continued

Township	Limestone
Homer	\$1. 50
Mount Vernon	1. 50
New Hartford	1. 40
Norton	1. 50
Pleasant Hill	1. 40
Richmond	1. 50
Rollingstone	1. 50
St. Charles	1. 40
Saratoga	1. 40
Utica	1. 40
Warren	1. 40
Whitewater	1. 60
Wilson	1. 50
Winona	1. 50
Wiscoy	1. 50

WRIGHT COUNTY

Township	Marl
Albion	\$1. 00
Buffalo	. 80
Chatham	. 90
Clearwater	. 90
Cokato	1. 00
Corinna	. 90
Frankfort	. 90
Franklin	1. 00
French Lake	1. 00
Maple Lake	. 90
Marysville	1. 00
Middleville	1. 00
Monticello	. 80
Otsego	. 90
Rockford	1. 00
Silver Creek	. 80
Southside	. 90
Stockholm	1. 00
Victor	1. 00
Woodland	1. 00





UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL ADJUSTMENT AGENCY

Washington, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

NORTH CENTRAL REGION

A

MISSOURI COMMITTEEMAN'S PRACTICE HANDBOOK

The 1945 Farm Program is designed to assist the farmers of Missouri to the fullest possible extent in protecting their soils against damage from erosion and loss of fertility.

The county committee, with the approval of the State committee, may designate those practices which will be approved for payment in the county in order that the farm allowance will be used most effectively to bring about increased conservation, or the county committee may specify for any group of farms a proportion of the farm allowance which may be earned only by carrying out certain designated practices which are very much needed.

A. CONSERVATION PRACTICE ALLOWANCE

The practice allowance is the maximum amount of payment that may be made for carrying out approved conservation practices.

(1) The allowance for the special Dams or Reservoirs for Livestock Water practice shall be \$100, plus any portion of the regular allowance determined in item (3) below, which is not earned by the performance of regular practices or the special Terracing practice.

(2) The allowance for the special Terracing practice shall be 100 percent of the regular allowance determined under item (3) below, or \$50, whichever is greater, plus any portion of the regular allowance which is not earned by the performance of regular practices.

(3) The allowance for regular practices shall be the sum of the following or \$10, whichever is greater:

- (a) 50 cents times the acreage classified as cropland.
- (b) The county rate per acre for noncrop open pasture times the acreage classified as noncrop open pasture.
- (c) 50 cents times the acreage classified as commercial orchards.

B. CONSERVATION PRACTICES

The practices available for 1945 are those which are most needed in order to conserve and improve soil fertility, improve pasture land, prevent wind and water erosion, and promote conservation and better utilization of water. Assistance will be available through the conservation practice allowance for carrying out the following practices during the program year January 1, 1945, through December 31, 1945. To qualify for payment each practice must be carried out in accordance with the specifications for that practice and be in keeping with good farming practices for the locality.

The total extent of any practice performed shall be reduced for purposes of payment by the percentage of the total cost of the practice which the county committee determines was furnished by a State or Federal agency. The extent of any practice shall not be reduced because a portion of the cost is represented by materials or services furnished by the A. A. A., or equipment furnished by S. C. S., or materials or services furnished by an agency of a State or political sub-division thereof to another agency or political sub-division of the same State, or trees purchased from a Clark-McNary Cooperative State Nursery.

All **special practices** listed under this section are designated by asterisks (**). Practices not designated as special practices will be considered as **regular practices**.

(1) **Contouring intertilled crops.**—Contour farming of intertilled crops, provided the crop stubble is left standing or a good stand of a winter cover crop is obtained. Credit will not be given for this practice on land which has a slope of less than 2 percent. If there is danger of erosion in waterways, such waterways must be permanently established in sod.—**\$1.50 per acre.**

(2) **Contour seeding.**—Contour seeding, by drilling, of small grain crops, sorghums, millet, and soybeans. All operations in connection with the seeding must be on the contour. If there is danger of erosion in waterways, such waterways must be permanently established in sod.—**\$0.50 per acre.**

(3) ****Standard terraces.**—With prior approval of the county committee, construction of standard terraces for which proper outlets are provided. The terraces and outlets should be constructed to conform with specifications for standard terraces for the area as recommended by the U. S. Department of Agriculture.—**\$1 per 100 lin. ft.**

(4) **Diversion terraces.**—With prior approval of the county committee, construction of diversion terraces for which proper outlets are provided. The terraces and outlets should be constructed to conform with the specifications for diversion terraces and outlets for the area as recommended by the U. S. Department of Agriculture.—**\$0.08 per cu. yd. but not in excess of \$5 per 100 lin. ft.**

(5) **Establishing sod waterways.**—Establishing a permanent sod waterway on any cropland where a permanent vegetative cover is necessary in a waterway channel or terrace outlet, or in cultivated orchards. The channel of the waterway must be sufficiently wide to carry the run-off from the drainage area and must be at least 10 feet in width at the narrowest point. The channel must contain perennial grasses and a good vegetative growth must be obtained.—**\$0.75 per 1,000 sq. ft.**

(6) **Maintaining sod waterways.**—Maintaining an established sod waterway at least 10 feet wide at the narrowest point in a field which is devoted to intertilled crops, by lifting the plow when the waterway is crossed, mowing, sodding or reseeding breaks in the sod, protecting from damage by livestock, and by use of other practices necessary to maintain good vegetative cover. No credit will be given for this practice for any waterway for which credit is given under Practice (5).—**\$0.25 per 1,000 sq. ft.**

(7) **Seeding of depleted pasture on land designated as noncrop open pasture.**—Seedings consisting of adapted pasture grasses, per-

ennial or biennial legumes and lespedeza, or approved pasture mixtures. The land must be disked or springtoothed sufficiently to insure a good stand of seeding. On land subject to erosion, the diskings or springtoothings must be across the slope.—**\$0.10 per lb.**

(8) **Mowing weeds.**—Mowing weeds on land a sufficient number of times during the growing season to prevent weed seed formation and improve the stand of grasses or legumes, and by carrying out such other pasture improvement practices as the county committee may require. No hay or seed crop may be taken from the acreage.—**\$0.50 per mowing per acre, but not more than \$1 per acre.**

(9) **Renovation of perennial grasses or legumes.**—By diskings or springtoothings at such periods and in such a manner as to insure a thicker stand and a better growth of the grasses or legumes. On land subject to erosion, the diskings or springtoothings must be across the slope.—**\$0.75 per acre.**

(10) ****Dams and reservoirs for livestock water.**—With prior approval of the county committee, construction of earthen, concrete, or rubble masonry dams and reservoirs for the purpose of providing water for livestock. Earthen dams must be constructed with minimum slopes of 3 to 1 on the upstream side and 2 to 1 on the downstream side, and must have a crown width of one foot for every foot in height of fill, but not exceeding 10 feet. Dams of 10 feet or less in height must have a minimum free board of 3 feet. Dams over 10 feet in height must have a minimum free board of 4 feet. To qualify for payment, a pond must be located properly, fenced to exclude livestock, and have a minimum depth of 8 feet at the deepest point, and the water must be piped out to a stockwater tank. Or, where this is impracticable, a small arm of the pond may be permitted to extend beyond the fenced area, or chutes or other means of making water available to livestock may be approved by the county committee provided such methods do not permit access of the stock to the pond proper. If the drainage area for the pond is not protected by sod or other vegetation, a protective sod strip with a minimum width of 100 feet must be established around the pond. Each pond must be protected by a spillway of adequate width to dispose of maximum expected run-off, allowing sufficient freeboard on the dam to avoid overtopping. Spillways are to be protected by a vegetative cover or by mechanical means.

The county committee must make the following determination before approving the construction of a dam or reservoir:

(1) That soil conditions at the location will insure water retention and that the site selected will provide adequate depth and storage of water with reasonable expenditure for dam construction.

(2) That the watershed area is in proper relationship to the capacity of the proposed pond.

(3) That the dam will be of sufficient height, proper design, and adequately protected from erosion.

(4) That adequate spillway is to be provided, and that such spillways will be protected by either a vegetative cover or by mechanical means:

- (a) For earth or other material moved:
 - Not over 2,000 cu. yd.—**\$0.15 per cu. yd.**
 - In excess of 2,000 cu. yd.—**\$0.10 per cu. yd.**
- (b) For concrete or masonry.—**\$9 per cu. yd.**
- (c) For rubble masonry.—**\$6 per cu. yd.**

(11) **Green manure crops.**—Disking or plowing under a good stand and a good growth of the following crops. If the land is subject to erosion, and the green manure is plowed down in the fall the land must be protected by a winter cover crop.—\$1.50 per acre.

- (a) Sweet clover or crimson clover.
- (b) Red clover turned under in the fall.
- (c) Crotalaria or winter vetch.
- (d) A 1945 seeding of lespedeza, turned under in the fall and followed by a winter cover crop.
- (e) Bur clover and Austrian winter peas.
- (f) Winter rye seeded in the fall of 1944 except that acreage for which a 1944 winter cover crop payment was made.

(12) **Winter cover crops.**—Establishing a winter cover crop by seeding crimson clover, bur clover, Austrian winter peas, or winter vetch. The cover crop shall be seeded early enough to obtain a protective cover. No credit will be given unless a good stand and a good vegetative growth is obtained.—\$1.50 per acre.

(13) **Farm ditches.**—With prior approval of the county committee, construction or cleaning out of farm ditches (excluding ditches constructed or maintained by a drainage district), including lateral and lead ditches, for which proper outlets are provided, and adequate provision is made for entrance of water into and out of the ditches. The ditches must have sufficient capacity to remove the normal excess surface water. When ditches are constructed under an approved Pooling Agreement, the \$5 per 100 lin. ft. limitation will be removed.—\$0.08 per cu. yd. of material moved, but not in excess of \$5 per 100 lin. ft.

(14) **Harvesting hayseed.**—Harvesting for seed an acreage of alfalfa, red clover, alsike, sweet clover, crimson clover. Credit will not be given for more than 10 acres per farm.—\$3.50 per acre.

(15) **Weed control.**—With prior approval of the county committee, eradication or effective control of seriously infested plots of **Canada thistle**, and **bindweed**. Payment for this practice may be approved only on farms where approved weed control measures are being carried out on all adjacent infested farms and contiguous land, where the infestation is limited to a single farm, or where the county committee determines that there is no likelihood of reinfestation from adjacent or contiguous land:

- (a) By use of sodium chlorate or other chemicals.—\$0.10 per lb.
- (b) By clean tillage.—\$10 per acre.

(16) **Tree planting.**—Prior approval of the site and of the variety of the tree to be planted must be obtained from the county committee. The plantings must be made in accordance with good tree culture and the new planting must be protected from fire and grazing. The following varieties of trees may be approved for payment provided they are adapted to the particular soil type, climatic conditions, moisture conditions, and site: Shortleaf pine, eastern red cedar, walnut, butternut, white ash, black walnut, and black locust:

- (a) Planting for forest purposes or gully control—\$1 per 100 trees, but not in excess of \$7.50 per acre.
- (b) Planting for windbreak purposes.—\$2 per 100 trees.

(17) **Tree maintenance.**—Maintaining for forest purposes, a good stand of at least 300 trees per acre, or for windbreak purposes, a good

stand of at least 250 trees per acre, which have been planted between January 1, 1940, and January 1, 1945, by cultivating sufficiently to control other vegetation, protecting from fire and grazing, and replanting if necessary.—\$3 per acre.

(18) **Liming materials.**—Application of the following materials:

(a) **One ton of agricultural ground limestone** containing at least 80 percent calcium carbonate equivalent, and ground sufficiently fine so that 80 percent, including all of the finer particles obtained in the grinding process, will pass through an 8-mesh sieve. The moisture content at the time of shipment must not exceed 8 percent. The specifications for calcium carbonate content and percent of material passing through an 8-mesh sieve must be such that the multiplication of these specifications will be equal to or in excess of 0.72. If the ground limestone will not qualify with respect to either fineness or calcium carbonate content, or both, the county committee must require a correspondingly greater amount of material.

(b) **One ton of byproduct of lead mines.**—The lead must be separated by the water table method and the sludge ground so that 90 percent will pass through an 8-mesh sieve and the product must contain a minimum of 80 percent calcium carbonate.

(c) **One ton of hydrated lime.**

(19) **Fertilizers.**—Application of **superphosphate, rock phosphate or potash**, when such material is applied (1) to **old stands** of biennial and perennial legumes, perennial grasses, or permanent pasture, provided the acreage on which such applications are made is not devoted to, cultivated for, or plowed for any other crop during the program year; (2) to **new seedings** of biennial or perennial legumes, perennial grasses, winter legumes, lespedeza, or permanent pasture (no credit will be given for materials furnished by the Agricultural Adjustment Agency applied to a seeding if wheat is used as a nurse crop) and (3) to **green manure crops** in orchards.

(a) Application of superphosphate or defluorinated phosphate rock.—\$5.25 per 100 lbs. of available P_2O_5 .

(b) Application of rock phosphate.—\$0.65 per 100 lbs.

(c) Application of potash.—\$3.30 per 100 lbs. of available K_2O .

(d) 100 lbs. of 0-10-20... \$1.20

(e) 100 lbs. of 0-12-12... 1.05

(f) 100 lbs. of 0-14-7... .95

(g) 100 lbs. of 0-14-14... 1.20

(h) 100 lbs. of 0-18-0... .95

(i) 100 lbs. of 0-19-0... 1.00

(j) 100 lbs. of 0-20-0... 1.05

(k) 100 lbs. of 0-20-10... 1.40

(l) 100 lbs. of 0-20-20... 1.70

(m) 100 lbs. of 2-12-6... \$0.85

(n) 100 lbs. of 3-9-18... 1.05

(o) 100 lbs. of 3-12-12... 1.05

(p) 100 lbs. of 3-18-9... 1.25

(q) 100 lbs. of 4-10-6... .70

(r) 100 lbs. of 4-12-4... .75

(s) 100 lbs. of 4-16-0... .85

(t) 100 lbs. of 5-10-10... .85

(u) 100 lbs. of 10-6-4... .45

C. DEFINITIONS

(1) **Farm.**—Farm means all adjacent or nearby farm land under the same ownership which is operated by one person, including also:

(a) Any other adjacent or nearby farm land which the county committee in accordance with instructions issued by the Agricultural Adjustment Agency, determines is operated by the same person as part of the same unit with respect to the rotation of crops and with workstock, farm machinery, and labor substantially separate from that for any other lands; and

(b) Any field-rented tract (whether operated by the same or another person) which, together with any other land included in the farm, constitutes a unit with respect to the rotation of crops.

(c) A farm shall be regarded as located in the county in which the principal dwelling is situated, or if there is no dwelling thereon, it shall be regarded as located in the county in which the major portion of the farm is located.

(2) **Cropland.**—Cropland means farm land which in 1944 was tilled or was in regular rotation, excluding any land which constitutes, or will constitute if such tillage is continued, a wind-erosion hazard to the community, and excluding also, any land in commercial orchards.

(3) **Noncrop open pasture land.**—Noncrop open pasture land means pasture land (other than rotation pasture land) on which the predominant growth is forage suitable for grazing and on which the number of grouping of any trees or shrubs is such that the land could not fairly be considered as woodland.

(4) **Commercial orchards.**—Commercial orchards means the acreage on the farm in planted or cultivated fruit trees, nut trees, vineyards, hops, or bush fruits (excluding nonbearing orchards and vineyards), from which the major portion of the production is normally sold.

(5) **Person.**—Person means an individual, partnership, association, corporation, estate, or trust, or other business enterprise or other legal entity, and, wherever applicable, a State, a political subdivision of a State, or any agency thereof.

(6) **Producer.**—Producer means any person who as landlord, tenant, or sharecropper, participates in the operation of a farm.

D. NONCROP OPEN PASTURE RATES TO BE USED IN COMPUTING FARM ALLOWANCES

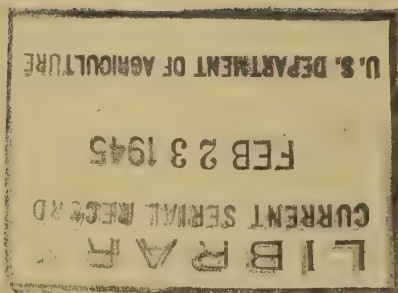
County	Rate per acre (cents)	County	Rate per acre (cents)	County	Rate per acre (cents)
Adair	22	Dent	10	Mercer	22
Andrew	22	Douglas	11	Miller	12
Atchison	22	Dunklin	18	Mississippi	20
Audrain	19	Franklin	16	Moniteau	17
Barry	12	Gasconade	17	Monroe	18
Barton	17	Gentry	22	Montgomery	17
Bates	21	Greene	16	Morgan	14
Benton	14	Grundy	22	New Madrid	18
Bollinger	13	Harrison	22	Newton	17
Boone	19	Henry	22	Nodaway	23
Buchanan	22	Hickory	13	Oregon	11
Butler	15	Holt	20	Osage	16
Caldwell	21	Howard	19	Ozark	10
Callaway	18	Howell	10	Pemiscot	21
Camden	9	Iron	8	Perry	18
Cape Girardeau	19	Jackson	20	Pettis	18
Carroll	22	Jasper	17	Phelps	13
Carter	8	Jefferson	17	Pike	19
Cass	21	Johnson	21	Platte	21
Cedar	16	Knox	21	Polk	16
Chariton	21	Laclede	12	Pulaski	12
Christian	12	Lafayette	22	Putnam	22
Clark	20	Lawrence	17	Ralls	19
Clay	22	Lewis	21	Randolph	19
Clinton	22	Lincoln	18	Ray	21
Cole	18	Linn	22	Reynolds	8
Cooper	19	Livingston	22	Ripley	13
Crawford	11	McDonald	15	St. Charles	18
Dade	16	Macon	22	St. Clair	18
Dallas	13	Madison	13	St. Francois	18
Daviess	21	Maries	14	St. Louis	18
De Kalb	22	Marion	19	Ste. Genevieve	16

**D. NONCROP OPEN PASTURE RATES TO BE USED IN COMPUTING
FARM ALLOWANCES—Continued**

County	Rate per acre (cents)	County	Rate per acre (cents)	County	Rate per acre (cents)
Saline-----	21	Stoddard-----	18	Warren-----	18
Schuyler-----	22	Stone-----	10	Washington-----	13
Scotland-----	22	Sullivan-----	22	Wayne-----	11
Scott-----	19	Taney-----	9	Webster-----	14
Shannon-----	8	Texas-----	12	Worth-----	22
Shelby-----	22	Vernon-----	18	Wright-----	14

E. POOLING OF PRACTICE ALLOWANCE

Producers in any local area may agree in writing, with the approval of the State Committee, to combine all or any part of their farm allowances for the performance of Practice No. (13) Farm Ditches, provided their farms are benefited by the construction of the ditches. For purposes of payment the practice carried out under an approved written pooling agreement will be regarded as having been carried out on the farms of the producers who performed the practice.



UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL ADJUSTMENT AGENCY
WASHINGTON, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

NORTH CENTRAL REGION

SUPPLEMENT 1 TO MISSOURI COMMITTEEMAN'S PRACTICE
HANDBOOK

1945 CREDIT RATES FOR LIMING MATERIALS

The credit rate for **hydrated lime** is the same throughout the State—**\$4.00 per ton.**

The following are the credit rates per ton for the other liming materials for which credit will be given in your county:

ADAIR COUNTY		BARRY COUNTY		BARTON COUNTY— Continued	
Township	Limestone	Township	Limestone	Township	Limestone
All townships.....	\$1. 80	Ash.....	\$1. 80	Doylestport.....	\$2. 00
ANDREW COUNTY		Butterfield.....	1. 30	Golden City.....	1. 90
All townships.....	\$1. 80	Capps Creek.....	1. 60	Lamar.....	1. 70
ATCHISON COUNTY		Corsicana.....	1. 40	Leroy.....	1. 90
Benton.....	\$2. 20	Crane Creek.....	1. 70	Milford.....	2. 10
Buchanan.....	2. 50	Exeter.....	1. 30	Nashville.....	1. 90
Clark.....	2. 20	Flat Creek.....	1. 30	Newport.....	1. 90
Clay.....	2. 30	Jenkins.....	1. 40	North Fork.....	1. 70
Colfax.....	2. 10	King Prairie.....	1. 50	Ozark.....	2. 00
Dale.....	2. 00	Liberty.....	1. 40	Richland.....	1. 70
Lincoln.....	2. 40	McDonald.....	1. 60	South West.....	2. 00
Nishnabotna.....	2. 50	Mineral.....	1. 40	Union.....	1. 90
Polk.....	2. 50	Monett.....	1. 50	BATES COUNTY	
Tarkio.....	2. 30	Mountain.....	1. 80	All townships.....	\$2. 00
Templeton.....	2. 30	Ozark.....	1. 70	BENTON COUNTY	
AUDRAIN COUNTY		Pioneer.....	1. 60	Alexander.....	\$2. 10
Cuivre.....	\$2. 00	Pleasant Ridge.....	1. 50	Cole.....	1. 90
Linn.....	1. 90	Purdy.....	1. 40	Fristoe.....	1. 90
Loutre.....	1. 90	Roaring River.....	1. 50	Lindsey.....	1. 70
Prairie.....	2. 20	Shell Knob.....	1. 70	Tom.....	1. 70
Saling.....	1. 90	Sugar Creek.....	1. 70	Union.....	2. 20
Salt River.....	1. 70	Washburn.....	1. 40	East White.....	1. 70
Wilson.....	1. 70	Wheaton.....	1. 60	West White.....	1. 70
		White River.....	1. 70	Williams.....	1. 70
		BARTON. COUNTY			
		Barton City.....	\$1. 90		
		Central.....	2. 00		

BOLLINGER COUNTY

Township	Limestone	Lead mine refuse	Township	Limestone	Lead mine refuse
Crooked Creek.....	\$1. 80	\$1. 60	Scopus.....	1. 80	\$1. 50
Fillmore.....	1. 60	1. 60	Union.....	1. 90	1. 60
Liberty.....	1. 80	1. 80	Wayne.....	1. 80	1. 80
Lorance.....	1. 60	1. 60	Whitewater.....	1. 80	1. 60

BOONE COUNTY

Township	Limestone
Bourbon	\$1. 60
Cedar	1. 60
Centralia	1. 80
Columbia	1. 40
Missouri	1. 50
Perche	1. 80
Rocky Fork	1. 70

BUCHANAN COUNTY

Agency	\$1. 80
Bloomington	1. 60
Center	1. 50
Crawford	1. 60
Jackson	1. 70
Marion	1. 80
Platte	1. 70
Rush	1. 70
Tremont	1. 70
Washington	1. 80
Wayne-Lake	1. 50

BUTLER COUNTY

All townships	\$1. 50
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CALDWELL COUNTY

All townships	\$1. 60
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CALLAWAY COUNTY

Auxvasse	\$1. 90
Bourbon	1. 80
Caldwell	1. 80
Calwood	1. 70
Cedar	1. 80
Cleveland	1. 80
Cote Sans	1. 80
Fulton	1. 70
Guthrie	1. 80
Jackson	1. 50
Liberty	1. 70
McCredie	1. 50
Nine Mile Prairie	1. 80
Round Prairie	1. 80
St. Aubert	1. 80
Shamrock	1. 80
Summit	1. 70

CAMDEN COUNTY

All townships	\$1. 80
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CAPE GIRARDEAU
COUNTY

Apple Creek	\$1. 40
Byrd	1. 20
Cape Girardeau	1. 20
Hubble	1. 30
Kinder	1. 40
Liberty	1. 30
Randol	1. 30
Shawnee	1. 50
Welch	1. 30
Whitewater	1. 40

CARROLL COUNTY

Township	Limestone
Carrollton	\$1. 80
Cherry Valley	2. 00
Combs	1. 80
Dewitt	2. 00
Egypt	1. 80
Eugene	2. 00
Fairfield	1. 60
Hill	1. 80
Hurricane	1. 70
Leslie	1. 50
Miami	2. 00
Moss Creek	1. 90
Prairie	1. 80
Ridge	1. 80
Rockford	1. 80
Smith	2. 10
Stokes Mound	1. 70
Sugartree	1. 80
Trotter	1. 70
Van Horn	1. 80
Wakenda	1. 80
Washington	1. 80

CARTER COUNTY

All townships	\$1. 60
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CASS COUNTY

Austin	\$1. 80
Big Creek	1. 70
Camp Branch	1. 70
Coldwater	1. 90
Dayton	1. 80
Dolan	1. 80
Everett	1. 80
Grand River	1. 70
Index	1. 80
Mount Pleasant	1. 80
Peculiar	1. 80
Pleasant Hill	1. 80
Polk	1. 80
Raymore	1. 80
Sherman	1. 90
Union	1. 80
West Dolan	1. 80
West Peculiar	1. 70

CEDAR COUNTY

Benton	\$2. 00
Box	1. 90
Cedar	1. 90
Jefferson	1. 90
Linn	1. 90
Madison	2. 00
Washington	1. 90

CHARITON COUNTY

All townships	\$1. 70
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CHRISTIAN COUNTY

Bruner	\$1. 80
Chadwick	1. 80
East Benton	1. 80

CHRISTIAN COUN-
TY—Continued

Township	Limestone
Finley	\$1. 50
Garrison	1. 90
Lead Hill	1. 80
Lincoln	1. 70
Linden	1. 50
Linn	1. 80
Logan	1. 60
McCracken	1. 50
North Galloway	1. 50
Polk	1. 60
Porter	1. 50
Seneca	1. 90
South Galloway	1. 80
Sparta	1. 50
West Benton	1. 90

CLARK COUNTY

All townships	\$1. 60
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CLAY COUNTY

Fishing River	\$1. 60
Gallatin	1. 60
Kearney	1. 90
Liberty	1. 40
Platte	1. 60
Washington	1. 90

CLINTON COUNTY

All townships	\$1. 70
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COLE COUNTY

All townships	\$1. 60
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COOPER COUNTY

All townships	\$1. 60
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CRAWFORD COUNTY

All townships	\$1. 80
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DADE COUNTY

Cedar	\$2. 00
Center	1. 60
Ernest	1. 80
Grant	1. 80
Lockwood	1. 80
Marion	1. 80
North	2. 00
North Morgan	2. 00
Pilgrim	2. 00
Polk	2. 00
Rock Prairie	2. 00
Sac	1. 60
Smith	1. 80
South	2. 00
South Morgan	2. 00
Washington	2. 00

DALLAS COUNTY

Township	Limestone
All townships.....	\$1. 60

DAVIESS COUNTY

All townships.....	\$1. 80
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DE KALB COUNTY

All townships.....	\$1. 80
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DENT COUNTY

Current.....	\$1. 80
Franklin.....	1. 70
Gladden.....	1. 80
Linn.....	1. 70
Meramec.....	1. 80
Norman.....	1. 70
Osage.....	1. 80

DENT COUNTY—Con.

Township	Limestone
Short Bend.....	\$1. 80
Sinking.....	1. 80
Spring Creek.....	1. 70
Texas.....	1. 70
Watkins.....	1. 70

DOUGLAS COUNTY

Benton.....	\$1. 60
Boone.....	1. 70
Brown.....	1. 70
Brush Creek.....	1. 60
Bryan.....	1. 60
Buchanan.....	1. 70
Campbell.....	1. 60
Cass.....	1. 70
Champion.....	1. 70
Clay.....	1. 70

DOUGLAS COUNTY—Continued

Township	Limestone
Clinton.....	\$1. 70
Findley.....	1. 60
Jackson.....	1. 70
Lincoln.....	1. 60
McKinley.....	1. 70
McMurtrey.....	1. 70
Miller.....	1. 70
Richland.....	1. 70
Spencer.....	1. 70
Spring Creek.....	1. 60
Walls.....	1. 70
Washington.....	1. 60
Wood.....	1. 60

DUNKLIN COUNTY

All townships.....	\$1. 90
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FRANKLIN COUNTY

Township	Limestone	Lead mine refuse	Township	Limestone	Lead mine refuse
Boeuf.....	\$1. 60	-----	Meramec.....	\$1. 60	\$1. 30
Boles.....	1. 60	-----	Prairie.....	1. 60	1. 30
Boone.....	1. 60	-----	St. Johns.....	1. 60	-----
Calvey.....	1. 60	\$1. 30	Union.....	1. 60	-----
Central.....	1. 60	1. 30	Washington.....	1. 60	-----
Lyon.....	1. 60	-----			

GASCONADE COUNTY

Township	Limestone
All townships.....	\$1. 60

GENTRY COUNTY

Athens.....	\$1. 80
Bogle.....	2. 10
Cooper.....	2. 10
Howard.....	1. 80
Huggins.....	2. 10
Jackson.....	2. 10
Miller.....	1. 80
Wilson.....	2. 10

GREENE COUNTY

Boone.....	\$1. 40
Brookline.....	1. 30
East Campbell.....	1. 20
West Campbell.....	1. 20
Cass.....	1. 40
First Center.....	1. 30
Second Center.....	1. 50
Third Center.....	1. 50
Clay.....	1. 30
First Franklin.....	1. 80
Second Franklin.....	1. 30
First Jackson.....	1. 50
Second Jackson.....	1. 50
Murray.....	1. 30

GREENE COUNTY—Continued

Township	Limestone
Pond Creek.....	\$1. 50
Republic.....	1. 40
First Robberson.....	1. 40
Second Robberson.....	1. 30
Taylor.....	1. 30
Walnut Grove.....	1. 60
Washington.....	1. 30
Wilson.....	1. 10

GRUNDY COUNTY

All townships.....	\$1. 80
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HARRISON COUNTY

Adams.....	\$1. 50
Bethany.....	1. 50
Butler.....	1. 50
Clay.....	1. 80
Colfax.....	1. 80
Cypress.....	1. 50
Dallas.....	1. 50
Fox Creek.....	1. 50
Grant.....	1. 50
Hamilton.....	1. 80
Jefferson.....	1. 50
Lincoln.....	1. 80
Madison.....	1. 50
Marion.....	1. 50

HARRISON COUNTY—Continued

Township	Limestone
Sherman.....	\$1. 50
Sugar Creek.....	1. 50
Trail Creek.....	1. 50
Union.....	1. 50
Washington.....	1. 50
White Oak.....	1. 50

HENRY COUNTY

Bear Creek.....	\$1. 70
Bethlehem.....	1. 60
Big Creek.....	1. 70
Bogard.....	1. 70
Clinton.....	1. 40
Davis.....	1. 40
Deepwater.....	1. 90
Deer Creek.....	1. 40
Fairview.....	1. 40
Fields Creek.....	1. 50
Honey Creek.....	1. 50
Leesville.....	1. 80
Osage.....	1. 60
Shawnee.....	1. 50
Springfield.....	1. 80
Tebo.....	1. 70
Walker.....	1. 60
White Oak.....	1. 50
Windsor.....	1. 80

HICKORY COUNTY

Township	Limestone
Center-----	\$1. 80
Cross Timbers-----	2. 10
Green-----	2. 00
Jordan-----	2. 20
Montgomery-----	1. 80
Stark-----	1. 90
Tyler-----	1. 60
Weaubleau-----	1. 40
Wheatland-----	1. 60

HOLT COUNTY

Township	Limestone
Benton-----	\$2. 10
Bigelow-----	2. 20
Clay-----	1. 80
Forbes-----	2. 30
Forest-----	2. 30
Hickory-----	2. 00
Lewis-----	2. 30
Liberty-----	2. 00
Lincoln-----	2. 20
Minton-----	2. 30
Nodaway-----	2. 20
Union-----	2. 20

HOWARD COUNTY

Township	Limestone
Bonne Femme-----	\$2. 10
Boons Lick-----	2. 10
Burton-----	2. 00
Chariton-----	1. 80
Franklin-----	2. 10
Moniteau-----	2. 10
Prairie-----	1. 90
Richmond-----	2. 00

HOWELL COUNTY

All townships-----	\$1. 60
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IRON COUNTY

Township	Limestone	Lead mine refuse	Township	Limestone	Lead mine refuse
Arcadia-----	\$1. 40	\$0. 80	Kaolin-----	\$1. 40	\$1. 00
Dent-----	1. 40	1. 00	Liberty-----	. 90	. 80
Iron-----	1. 40	. 80	Union-----	. 90	. 90

JACKSON COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Blue-Kaw-----	\$1. 20	Fort Osage-----	\$1. 40	Sniabar-----	\$1. 30
Brookings - Wash- ington-----	1. 30	Prairie-----	1. 30	Van Buren-----	1. 40

JASPER COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Duval-----	\$1. 50	Lincoln-----	\$1. 50	Preston-----	\$1. 50
Galena-----	1. 50	McDonald-----	1. 50	Sarcoxie-----	1. 50
Jackson-----	1. 40	Madison-----	1. 40	Sheridan-----	1. 50
Jasper-----	1. 50	Marion-----	1. 30	Twin Groves-----	1. 50
Joplin-----	1. 40	Mineral-----	1. 40	Union-----	1. 50

JEFFERSON COUNTY

Township	Limestone	Lead mine refuse	Township	Limestone	Lead mine refuse
Big River-----	\$1. 40	\$1. 20	Plattin-----	\$1. 20	\$0. 90
Central-----	1. 20	1. 00	Rock-----	1. 20	-----
Joachim-----	1. 20	1. 00	Valle-----	1. 20	. 90
Meramec-----	1. 20	1. 00			

JOHNSON COUNTY

Township	Limestone
All townships-----	\$1. 80

KNOX COUNTY

Bee Ridge-----	\$1. 70
Benton-----	1. 80
Bourbon-----	1. 70
Colony-----	1. 80

KNOX COUNTY—Con.

Township	Limestone
Fabius-----	\$1. 70
Greensburg-----	1. 80
Jeddo-----	1. 70
Liberty-----	1. 80
Lyon-----	1. 80
Myrtle-----	1. 80
Salt River-----	1. 70
Shelton-----	1. 70

LACLEDE COUNTY

Township	Limestone
All townships-----	\$1. 60

LAFAYETTE COUNTY

Clay-----	\$1. 40
Davis-----	1. 60
Dover-----	1. 60
Freedom-----	1. 60

LAFAYETTE COUNTY
 —Continued

<i>Township</i>	<i>Limestone</i>
Lexington.....	\$1. 50
Middleton.....	1. 80
Sniabar.....	1. 40
Washington.....	1. 50

LAWRENCE COUNTY

Aurora.....	\$2. 00
Buck Prairie.....	1. 70
Freistatt.....	1. 70
Green.....	1. 80
Hoberg.....	1. 90
Lincoln.....	1. 90
Mount Pleasant.....	1. 70
Mount Vernon.....	1. 90
Ozark.....	1. 90
Pierce.....	1. 70
Red Oak.....	1. 70
Spring River.....	1. 80
Turnback.....	1. 70
Vineyard.....	1. 70

LEWIS COUNTY

All townships.....	\$1. 60
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LINCOLN COUNTY

Bedford.....	\$1. 70
Burr Oak.....	1. 80
Clark.....	1. 70
Hawk Point.....	1. 80
Hurricane.....	1. 80
Millwood.....	1. 90
Monroe.....	1. 70
Ninevah.....	1. 90
Prairie.....	1. 80
Snow Hill.....	1. 80
Union.....	1. 80
Waverly.....	1. 60

LINN COUNTY

All townships.....	\$1. 80
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LIVINGSTON COUNTY

Blue Mound.....	\$1. 80
Chillicothe.....	1. 80
Cream Ridge.....	1. 80
Fairview.....	1. 90
Grand River.....	2. 20
Green.....	1. 60
Jackson.....	1. 60
Medicine.....	2. 00
Monroe.....	1. 60
Mooreville.....	1. 50
Rich Hill.....	1. 80
Sampsell.....	1. 60
Wheeling.....	1. 80

MCDONALD COUNTY

All townships.....	\$1. 50
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MACON COUNTY

<i>Township</i>	<i>Limestone</i>
All townships.....	\$2. 10

MADISON COUNTY

	<i>Lead mine refuse</i>
Big Creek.....	\$1. 00
Castor.....	. 90
Central.....	. 80
Liberty.....	1. 20
Marquand.....	. 90
Polk.....	. 90
St. Francois.....	. 80
St. Michael.....	. 70
Twelvemile.....	1. 00

MARIES COUNTY

	<i>Limestone</i>
All townships.....	\$1. 60

MARION COUNTY

Fabius.....	\$1. 80
Liberty.....	1. 60
Miller-Mason.....	1. 50
Round Grove.....	1. 90
South River.....	1. 50
Union.....	1. 80
Warren.....	1. 70

MERCER COUNTY

All townships.....	\$1. 80
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MILLER COUNTY

Equality.....	\$1. 60
Franklin.....	1. 60
Glaze.....	1. 80
East Jim Henry.....	1. 80
Osage.....	1. 80
Richwoods.....	1. 80
Saline.....	1. 60
West Jim Henry.....	1. 60

MISSISSIPPI COUNTY

James Bayou.....	\$1. 50
Long Prairie.....	1. 50
Mississippi.....	1. 50
Ohio.....	1. 50
St. James.....	1. 40
Tywapitty.....	1. 40
Wolf Island.....	1. 40

MONITEAU COUNTY

All townships.....	\$1. 50
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MONROE COUNTY

Clay.....	\$2. 30
Indian Creek- Monroe.....	1. 80
Jackson I.....	2. 30
Jackson II.....	2. 40
Jefferson.....	2. 10

MONROE COUNTY—
 Continued

<i>Township</i>	<i>Limestone</i>
Marion.....	\$2. 00
South Fork.....	2. 30
Union.....	2. 10
Washington.....	2. 30
Woodlawn.....	2. 10

MONTGOMERY COUNTY

Bear Creek.....	\$1. 80
Danville.....	1. 80
Loutre.....	1. 80
Montgomery.....	1. 80
Prairie.....	1. 90
Upper Loutre.....	2. 10

MORGAN COUNTY

Buffalo.....	\$1. 60
Haw Creek.....	1. 50
Mill Creek.....	1. 60
Moreau.....	1. 50
Osage.....	1. 60
Richland.....	1. 60

NEW MADRID COUNTY

Anderson.....	\$1. 80
Big Prairie.....	1. 50
Como.....	1. 70
Hough.....	1. 60
La Font.....	1. 70
Le Sieur.....	1. 70
Lewis.....	1. 60
New Madrid.....	1. 60
Portage.....	1. 70
St. John.....	1. 80
West.....	1. 50

NEWTON COUNTY

Berwick.....	\$1. 60
Buffalo.....	1. 50
Dayton.....	1. 50
East Benton.....	1. 60
Five Mile.....	1. 50
Franklin.....	1. 70
Granby.....	1. 50
Marion.....	1. 40
Neosho.....	1. 60
Newtonia.....	1. 60
Seneca.....	1. 50
Shoal Creek.....	1. 50
Van Buren.....	1. 50
West Benton.....	1. 50

NODAWAY COUNTY

Atchison.....	\$2. 20
Grant.....	1. 40
Green.....	2. 00
Hopkins.....	2. 10
Hughes.....	1. 60
Independence.....	2. 30
Jackson.....	1. 90

NODAWAY COUNTY—
 Continued

Township	Limestone
Jefferson.....	\$1. 70
Lincoln.....	2. 40
Monroe.....	1. 90
Nodaway.....	2. 00
Polk.....	1. 70
Union.....	2. 00
Washington.....	1. 50
White Cloud.....	1. 40

OREGON COUNTY

All townships..... \$1. 60

OSAGE COUNTY

All townships..... \$1. 70

OZARK COUNTY

All townships..... \$1. 80

PEMISCOT COUNTY

All townships..... \$1. 90

PERRY COUNTY

Bois Brule.....	\$1. 60
Brazeau.....	1. 80
Central.....	1. 50
Cinque Hommes.....	1. 60
St. Marys.....	1. 80
Salem.....	1. 80
Saline.....	1. 50
Union.....	1. 50

PETTIS COUNTY

Blackwater.....	\$1. 80
Bowling Green.....	1. 70
Cedar.....	1. 70
Dresden.....	1. 70
Elk Fork.....	1. 70
Flat Creek.....	1. 70
Green Ridge.....	1. 70

PETTIS COUNTY—
 Continued

Township	Limestone
Heaths Creek.....	\$1. 70
Houstonia.....	1. 70
Hughesville.....	1. 70
Lake Creek.....	1. 70
La Monte.....	1. 70
Longwood.....	1. 60
Prairie.....	1. 70
Sedalia.....	1. 60
Smithton.....	1. 60
Washington.....	1. 70

PHELPS COUNTY

All townships..... \$1. 70

PIKE COUNTY

Ashley.....	\$1. 80
Buffalo.....	1. 70
Calumet.....	2. 20
Cuivre.....	1. 60
Hartford.....	1. 80
Indian.....	1. 80
Peno.....	1. 90
Prairieville.....	1. 70
Salt River.....	2. 20
Spencer.....	1. 60

PLATTE COUNTY

Carroll.....	\$1. 30
Fair.....	1. 30
Green.....	1. 30
Lee.....	1. 30
Marshall.....	1. 30
May.....	1. 20
Pettis.....	1. 20
Preston.....	1. 30
Waldron.....	1. 40
Weston.....	1. 30

POLK COUNTY

All townships..... \$1. 60

PULASKI COUNTY

Township	Limestone
All townships.....	\$1. 70

PUTNAM COUNTY

Elm.....	\$1. 80
Grant.....	1. 80
Jackson.....	2. 00
Liberty.....	1. 80
Lincoln.....	1. 80
Medicine.....	1. 90
Richland.....	2. 00
Sherman.....	1. 90
Union.....	1. 80
Wilson.....	2. 00
York.....	1. 90

RALLS COUNTY

Center.....	\$1. 70
Clay.....	1. 70
Jasper.....	2. 00
Saline.....	2. 00
Salt River.....	2. 00
Saverton.....	1. 80
Spencer.....	1. 60

RANDOLPH COUNTY

Cairo.....	\$1. 70
Chariton.....	1. 70
Clifton.....	1. 60
Jackson.....	1. 70
Moniteau.....	1. 50
Prairie.....	1. 70
Salt River.....	1. 70
Salt Spring.....	1. 60
Silver Creek.....	1. 60
Sugar Creek.....	1. 60
Union.....	1. 60

RAY COUNTY

All townships..... \$1. 70

REYNOLDS COUNTY

Township	Limestone	Lead Mine Refuse	Township	Limestone	Lead Mine Refuse
Black River.....	\$1. 60	\$1. 00	Lesterville.....	\$1. 60	\$1. 00
Carroll.....	1. 60	1. 20	Logan.....	1. 60	1. 20
Jackson.....	1. 60	1. 20	Webb.....	1. 60	1. 30

RIPLEY COUNTY

<i>Township</i>	<i>Limestone</i>
All townships.....	\$1. 90

ST. CHARLES COUNTY

Callaway.....	\$1. 40
Cuivre.....	1. 60
Dardenne.....	1. 40
Femme Osage.....	1. 50
Portage Des Sioux.....	1. 50
St. Charles.....	1. 20

ST. CLAIR COUNTY

<i>Township</i>	<i>Limestone</i>
Appleton.....	\$1. 80
Butler.....	1. 70
Center.....	1. 80
Chalk Level.....	1. 80
Collins.....	1. 40
Dallas.....	1. 60
Doyal.....	1. 60
Jackson.....	1. 90
Monegaw.....	1. 80
Osage.....	2. 30

ST. CLAIR COUNTY—
Continued

<i>Township</i>	<i>Limestone</i>
Osceola.....	\$1. 50
Polk.....	1. 80
Roscoe.....	1. 70
Speedwell.....	1. 90
Taber.....	2. 00
Washington.....	1. 70

ST. FRANCOIS COUNTY

<i>Township</i>	<i>Lead mine refuse</i>
All townships.....	\$0. 70

ST. LOUIS COUNTY

<i>Township</i>	<i>Limestone</i>	<i>Township</i>	<i>Limestone</i>	<i>Township</i>	<i>Limestone</i>
Bonhomme.....	\$1. 20	Central.....	\$1. 20	St. Ferdinand.....	\$1. 30
Carondelet.....	1. 20	Meramec.....	1. 30		

STE. GENEVIEVE COUNTY

<i>Township</i>	<i>Limestone</i>	<i>Lead mine refuse</i>	<i>Township</i>	<i>Limestone</i>	<i>Lead mine refuse</i>
Beauvais.....	\$1. 50	\$1. 20	Saline.....	\$1. 60	\$1. 00
Jackson.....	1. 50	1. 00	Union.....	1. 60	1. 00
Ste. Genevieve.....	1. 30	1. 20			

SALINE COUNTY

<i>Township</i>	<i>Limestone</i>
Arrow Rock.....	\$2. 10
Blackwater.....	2. 10
Cambridge.....	2. 00
Clay.....	2. 00
Elmwood.....	1. 90
Grand Pass.....	1. 90
Liberty.....	2. 00
Marshall.....	1. 90
Miami.....	2. 00
Salt Fork.....	2. 00
Salt Pond.....	2. 00

SCHUYLER COUNTY

All townships.....	\$2. 00
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SCOTLAND COUNTY

All townships.....	\$2. 30
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SCOTT COUNTY

<i>Township</i>	<i>Limestone</i>
Commerce.....	\$1. 20
Kelso.....	1. 10
Moreland.....	1. 20
Morley.....	1. 20
Richland.....	1. 30
Sandy Woods.....	1. 20
Sylvania.....	1. 20
Tywappity.....	1. 30

SHANNON COUNTY

All townships.....	\$1. 60
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SHELBY COUNTY

Bethel.....	\$1. 80
Black Creek.....	1. 80
Clay.....	2. 10
Jackson.....	1. 70

SHELBY COUNTY—
Continued

<i>Township</i>	<i>Limestone</i>
Jefferson.....	\$2. 10
Lentner.....	1. 80
North River.....	1. 70
Salt River.....	1. 80
Taylor.....	2. 00
Tiger Fork.....	2. 00

STODDARD COUNTY

All townships.....	\$1. 60
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STONE COUNTY

Alpine.....	\$1. 80
Ance Creek.....	1. 70
Cass.....	1. 40
East James.....	1. 70
Flat Creek.....	1. 50

STONE COUNTY—
Continued

Township	Limestone
Grant	\$1. 40
Hurley	1. 40
James	1. 70
Lincoln	1. 40
Logan	1. 50
McKinley	1. 40
Pierce	1. 40
Pine	1. 80
Ponce de Leon	1. 50
Ruth	1. 40
Union	1. 40
Washington	1. 50
White River	1. 90
Williams	1. 80

SULLIVAN COUNTY

All townships..... \$1. 70

TANEY COUNTY

All townships..... \$2. 00

TEXAS COUNTY

All townships..... \$1. 60

VERNON COUNTY

Bacon	\$2. 00
Badger	1. 90
Blue Mound	1. 90
Center	1. 80
Clear Creek	1. 80
Coal	1. 80
Deerfield	1. 80
Dover	1. 90

VERNON COUNTY—
Continued

Township	Limestone
Drywood	\$1. 80
Harrison	1. 80
Henry	1. 80
Lake	1. 80
Metz	1. 80
Montevallo	2. 00
Moundville	1. 80
Osage	1. 90
Richland	1. 70
Virgil	2. 00
Walker	1. 90
Washington	1. 80

WARREN COUNTY

Bridgeport	\$1. 90
Camp Branch	1. 90
Charrette	1. 50
Elkhorn	1. 80
Hickory Grove	1. 80
Pinckney	1. 70

WASHINGTON
COUNTY

	Lime- stone	Lead mine refuse
Belgrade	\$1. 00	\$0. 70
Bellevue	1. 00	. 60
Breton	. 80	. 70
Concord	. 80	. 60
Harmony	1. 30	1. 00
Johnson	1. 60	1. 60
Kingston	1. 10	. 90
Liberty	1. 30	1. 00
Richwood	1. 20	1. 00
Union	1. 00	. 80
Walton	1. 10	1. 00

WAYNE COUNTY

Township	Limestone
Benton	\$0. 80
Black River	1. 20
Cedar Creek	1. 20
Cowan	1. 20
Jefferson	2. 00
Logan	. 80
Lost Creek	2. 00
Mill Spring	1. 10
St. Francois	1. 10
Williams	1. 20

WEBSTER COUNTY

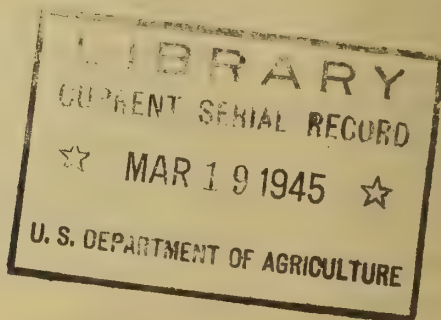
All townships..... \$1. 60

WORTH COUNTY

All townships..... \$2. 10

WRIGHT COUNTY

Boone	\$1. 60
Brush Creek	1. 60
Clark	1. 50
Elk Creek	1. 60
Gasconade	1. 60
Hart	1. 60
Montgomery	1. 60
Mountain Grove	1. 50
Pleasant Valley	1. 60
Union	1. 60
Van Buren	1. 50
Wood	1. 50



UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL ADJUSTMENT AGENCY

Washington, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

NORTH CENTRAL REGION

NEBRASKA COMMITTEEMAN'S PRACTICE HANDBOOK

The 1945 Farm Program is designed to assist the farmers of Nebraska to the fullest possible extent in protecting their soils against damage from erosion and loss of fertility.

The county committee, with the approval of the State committee, may designate those practices which will be approved for payment in the county in order that the farm allowance will be used most effectively to bring about increased conservation, or the county committee may specify for any group of farms a proportion of the farm allowance which may be earned only by carrying out certain designated practices which are very much needed.

A. CONSERVATION PRACTICE ALLOWANCE

The practice allowance is the maximum amount of payment that may be made for carrying out approved conservation practices.

(1) The allowance for the following special practices shall be an amount equal to 30 percent of the regular allowance determined under item (2) below, plus any portion of the regular allowance which is not earned by the performance of regular practices. Contouring Intertilled Crops, Establishment of Sod Waterways, Dams for Livestock Water or Erosion Control, Weed Control, and Leveling Land for Irrigation.

(2) The allowance for regular practices shall be the sum of the following or \$10.00, whichever is greater:

(a) 50 cents times the acreage classified as cropland.

(b) An amount for noncrop open pasture determined as follows:

(1) For farms having 2,000 acres or less of noncrop open pasture, multiply the acreage of noncrop open pasture by the larger of the county rate or 8 cents.

(2) For farms having over 2,000 acres of noncrop open pasture, the allowance will be the larger of \$160.00 or the acreage of noncrop open pasture times the county rate.

(c) 50 cents times the acreage classified as commercial orchards.

B. CONSERVATION PRACTICES

The practices available for 1945 are those which are most needed in order to conserve and improve soil fertility, improve pasture land, prevent wind and water erosion, and promote conservation and better utilization of water. Assistance will be available through the conservation practice allowance for carrying out the following practices during the program year January 1, 1945, through December 31, 1945. To qualify for payment, each practice must be carried out in accord-

ance with the specifications for that practice and be in keeping with good farming practices for the locality.

The total extent of any practice performed shall be reduced for purposes of payment by the percentage of the total cost of the practice which the county committee determines was furnished by a State or Federal agency. The extent of any practice shall not be reduced because a portion of the cost is represented by materials or services furnished by the A. A. A., or equipment furnished by S. C. S., or materials or services furnished by an agency of a State or political subdivision thereof to another agency or political subdivision of the same State, or trees purchased from a Clark-McNary Cooperative State Nursery.

No payment will be made for the following practices on farms or ranching units having 640 acres or more of noncrop open pasture, unless an approved grazing management plan, which must be filed with the county committee, has been carried out on the farm or ranching unit: Dams for Livestock Water, Rotation Grazing, Development of Springs and Seeps, Wells, Seeding of Depleted Pasture, and Mowing.

All **special practices** listed under this section are designated by asterisks (**). Practices not designated as special practices will be considered as **regular practices**.

(1) ****Contouring intertilled crops for soil and moisture conservation.**—Contour planting of intertilled crops, provided the crop stubble is left standing or a good stand of a winter cover crop is obtained. If there is danger of erosion in waterways, such waterways must be permanently established in sod:

(a) On land with a slope of $\frac{1}{2}$ to 2 percent.—\$0.75 per acre.

(b) On land with a slope of 2 percent or greater.—\$1.50 per acre.

(2) **Contour seeding for soil and moisture conservation.**—Contour seeding of small grain, sorghums, millet and soybeans. All tillage operations in connection with the seeding must be on the contour. If there is danger of erosion in waterways, such waterways must be permanently established in sod. No credit will be given for this practice for any acreage qualifying under the contour stripcropping practices.—\$0.50 per acre.

(3) **Field stripcropping to control wind erosion.**—By growing alternate strips of intertilled crops or fallow with sown, close-drilled, or sod crops; *Provided*, (1) The strips are approximately parallel and are laid out at right angles to the prevailing winds or in a continuous "S" so that winds cannot blow parallel to the rows of crops; (2) the strips are not less than 3 rods nor more than 20 rods in width; and (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained. Buffer strips must be at least 1 rod in width, if used:

(a) Where fallow strips are not used.—\$0.50 per acre.

(b) Where fallow strips are used.—\$0.85 per acre.

(4) **Standard terraces.**—With the prior approval of the county committee, construction of standard terraces for which proper outlets are provided. The terraces should be constructed to conform with specifications for standard terraces for the area as recommended by the U. S. Department of Agriculture.—\$1 per 100 lin. ft.

(5) **Broad-base terraces.**—With the prior approval of the county committee construction of broad-base terraces for which proper outlets are provided. To qualify for payment the terrace must have (1) a total width from the upper edge of the channel to the lower edge of the ridge of 32 feet or more; (2) the distance from the upper edge of the channel to the deepest section of the channel must be 10 feet or more; (3) the distance from the channel bottom to the crest of the ridge must be 12 feet or more; (4) the distance from the center of the ridge to the lower edge of the ridge must be 10 feet or more; and (5) the width of the channel and the width of the top of the terrace ridge must be 4 feet or more.—**\$1.50 per 100 lin. ft.**

(6) **Rip-rap.**—Construction of rip-rap of rock or willow mats along water courses for the control of erosion of farm land.—**\$0.50 per sq. yd. of exposed surface.**

(7) ****Establishing sod waterways.**—Establishing a permanent sod waterway on any cropland where a permanent vegetative cover is necessary in a waterway channel or terrace outlet, or in cultivated orchards. The channel of the waterway must be sufficiently wide to carry the run-off from the drainage area and must be at least one rod in width at the narrowest point. The channel must contain perennial grasses and a good sod-forming vegetative growth must be obtained.—**\$0.75 per 1,000 sq. ft.**

(8) **Protecting summer fallow.**—Protecting summer fallowed acreage from wind and water erosion by contour listing, pit cultivation, contour cultivation with a shovel-type implement, cultivation with a rod weeder, or any other implement approved by the county committee, and incorporating stubble and straw into the surface soil. In approval of this practice for payment, the county committee shall consider whether the cultivations were started by the date set by the State committee and whether the cultivations were continued through the season in a manner that prevented weed growth and secured a maximum amount of moisture conservation. No credit will be given for this practice for any acreage qualifying under the practice for strip cropping. No credit will be given for this practice if the acreage to be summer fallowed has been burned.—**\$1.25 per acre.**

(9) **Seeding of depleted pasture on land designated as noncrop open pasture.**—

(a) Seedings consisting solely of timothy, red top, sweet clover, or a mixture of such crops.—**\$0.10 per lb.**

(b) Seedings consisting of adapted pasture grasses with perennial or biennial legumes (except sweet clover), or approved pasture mixtures.—**\$0.25 per lb.**

(10) **Mowing weeds.**—Mowing weeds on pasture land a sufficient number of times during the growing season to prevent weed seed formation and improve the stand of grasses or legumes, and by carrying out such other pasture improvement practices as the county committee may require. No hay or seed crop may be taken from the acreage.—**\$0.50 per mowing per acre.**

(11) **Rotation grazing.**—(Applicable only on farms or ranching units having 640 acres or more of noncrop open pasture.) Natural re-seeding of noncrop open pasture normally grazed during the grazing season by withholding 25 percent of the noncrop open pasture on the ranch or farm from grazing for the period May 15, 1945 to August 31,

1945. The area to be kept free from grazing must be fenced, and the fence maintained sufficiently to prevent the entry of livestock. The remaining noncrop open pasture in the operating unit must not be pastured to such an extent that it will decrease the stand of grass or injure the forage, tree growth, or watershed.

This practice shall not be approved on grassland which is included within the same boundary with cropland. An area which does not have an available supply of stock water will not be considered normal grazing land. This practice shall not be approved on an area deferred in 1943 or 1944 unless nongrazing of such area again in 1945 would be of material benefit.

This practice shall not be approved for any operator unless he has sufficient livestock to be considered a bona fide livestock operator. If any hay is cut within the boundaries of the deferred area, there will be deducted from the deferred area the acreage on which hay is cut. The operator must submit to the county committee in writing the designation of the nongrazing area before starting the practice.

The rate of payment will be 50 percent of the practice allowance computed with respect to noncrop open pasture, except that if grazing is deferred on less than 25 percent of the noncrop open pasture, a proportionate payment will be made.

(12) ****Dams for livestock water or erosion control.**—Construction of earthen, concrete or masonry dams and reservoirs, including enlargement of inadequate earthen structures. Earthen dams to be used for livestock water must be staked out for prior approval by the county committee before starting construction of the dam. Such a dam must then be constructed with minimum slopes of 3 to 1 on the upstream side and 2 to 1 on the downstream side, and must have a crown width of one foot for every foot in height of fill, but not exceeding 10 feet. Dams 10 feet or less in height must have a minimum free board of 3 feet. Dams over 10 feet in height must have a minimum free board of 4 feet. Spillways must be of sufficient width to carry the expected overflow for the drainage area. Trickle tubes must be installed if necessary.

Fills for the repair of broken dams constructed under previous programs should not be approved for payment in 1945. However, the county committee may require that such dams be repaired before other practices are approved for payment. Masonry dams must have a sufficiently large weir and a spillway adequate to carry the expected overflow from the drainage area.

(a) For earth or other material moved for each development:

Not in excess of 2,000 cu. yds.—\$0.12 per cu. yd.

In excess of 2,000 cu. yds.—\$0.10 per cu. yd.

(b) For concrete or masonry used in the development.—\$9 per cu. yd.

(c) For rubble masonry.—\$6 per cu. yd.

(13) **Harvesting hayseed.**—Harvesting for seed an acreage of alfalfa, red clover, alsike clover, white clover, sweet clover, brome-grass, buffalo grass, gramma grasses, and bluestems. The following minimum yields per acre must be obtained to qualify for credit; for buffalo grass, 25 lbs. of seed in the burr; for gramma grasses and bluestems, 50 lbs. of uncleaned seed. Credit will not be given for more than 25 acres per farm.—\$3.50 per acre.

(14) ****Weed control.**—With prior approval of the county committee, eradication or effective control of seriously infested plots of the following perennial noxious weeds: **Bindweed, leafy spurge, Canada thistle, perennial pepper grass and Russian snapweed.** Payment for this practice may be approved only on farms where approved weed control measures are being carried out on all adjacent infested farms and contiguous land, where the infestation is limited to a single farm, or where the county committee determines that there is no likelihood of reinfestation from adjacent or contiguous land:

(a) By use of sodium chlorate or other chemicals.—**\$0.10 per lb.**

(b) By clean tillage.—**\$10 per acre.**

(c) By clean tillage of land which was clean-tilled under the weed control practice in 1944 and was followed in the fall of 1944 by winter rye or winter wheat, and 1945 tillage operations were begun immediately after the 1945 rye or wheat crop was harvested and continued until seeding time or frost.—**\$2.50 per acre.**

(15) **Go-down crops.**—Protecting the soil from wind and water erosion by the use of go-down crops, provided a good vegetative growth is obtained, and the crop is not pastured or harvested for hay, grain, seed, or forage, or otherwise taken from the land.

(a) In commercial orchards, oats, barley, rye, annual rye grass, wheat, or mixtures of any of these crops.—**\$1.50 per acre.**

(b) On land where go-down crops are necessary for the protection of adjacent cropland. Sudan grass, millet, sweet sorghums, or winter rye seeded in the fall of 1944 at the normal rate of seeding for grain. No credit will be given for a rye go-down crop if a 1944 winter cover crop payment was made for such acreage.—**\$1.50 per acre.**

(16) **Green manure crops.**—Disking, plowing under, or subsurface tilling of a good stand and a good growth of the following crops. If the land is subject to erosion and the green manure is plowed down in the fall the land must be protected by a winter cover crop.—**\$1.50 per acre:**

(a) Sweet clover.

(b) Alsike clover or red clover turned under in the fall.

(c) Winter rye seeded in the fall of 1944, except that acreage on which a 1944 winter cover crop practice payment was made.

(d) A 1945 seeding of lespedeza turned under in the fall and followed by a winter cover crop. The crop may not be pastured or cut for hay.

(17) **Farm drainage ditches.**—With prior approval of the county committee, construction or cleaning out of farm ditches (excluding ditches constructed or maintained by a drainage district), including lateral and lead ditches, for which proper outlets are provided, and adequate provision is made for entrance of water into and out of the ditches. The ditches must have sufficient capacity to remove the normal excess surface water. When ditches are constructed under an approved Pooling Agreement, the \$5.00 per 100 lin. ft. limitation may be removed.—**\$0.08 per cu. yd. of earth moved, but not in excess of \$5 per 100 lin. ft.**

(18) **Leveling land for irrigation.**—With prior approval of the county committee leveling land for irrigation in accordance with a written plan.—**\$0.08 per cu. yd. of earth moved, but not in excess of \$5 per acre.**

(19) **Listing for erosion control.**—Listing unprotected cropland at right angles to the prevailing winds, except when carried out on

protected summer fallow acreage or as part of a seeding operation.—**\$0.30 per acre.**

(20) **Spreader ditches.**—With the prior approval of the county committee, construction of ditches or dikes for the diversion and spreading of flood water on cropland, pasture land, or hay land. The gradient of the ditches must be such that there will be no erosion hazards.—**\$0.08 per cu. yd. of material moved**, but not in excess of **\$5 per 100 lin. ft.**

(21) **Protective cover.**—Leaving on the land as a protection against wind erosion, stalks of sorghums (including broom corn), and sudan grass where it is determined by the county committee that such cover is necessary, and the operator plans to leave such cover on the land until the spring of 1946. The stalks must be at least 8 inches in height if the crop was close-drilled, and at least 12 inches in height if sown as row crops. No credit will be given if the acreage has been grazed.—**\$0.35 per acre.**

(22) **Prevention of wind erosion by use of straw or hay.**—Covering blow-outs with straw or hay to prevent wind erosion and to encourage revegetation.—**\$1 per ton of material used.**

(23) **Wells.**—(Applicable only on farms having more than 640 acres of noncrop open pasture.) With prior approval of the county committee, drilling or digging wells, or deepening wells by drilling or digging, which have failed to furnish sufficient water for livestock; *Provided*, (1) A windmill or power plant is installed, except where an adequate flow is obtained without mechanical means; (2) the water is conveyed to a tank or storage reservoir; (3) the well is not developed at or for the use of ranch or farm headquarters. The operator must provide a well-driller's statement showing the depth of the well and dimensions of the casing. A representative of the State committee must give final approval of all well sites and water developments:

(a) Wells (except artesian) with casings not less than 4 inches in diameter.—**\$2 per foot.**

(b) Wells with casings less than 4 inches in diameter, or artesian wells.—**\$1 per foot.**

(24) **Development of springs and seeps.**—With prior approval of the county committee, development of springs and seeps by excavation at the source, and making a supply of water available for livestock; *Provided*, (1) That the source is protected from trampling and at least 20 cubic feet of available water storage is provided, and (2) that the total cost of the development is not less than \$20.00. The minimum payment for a single development under this practice shall be \$15.00, and the maximum payment shall be \$200.00. This practice is applicable only where it contributes to a better distribution of livestock grazing. No payment will be made under this practice for any storage for which payment is made under the practice for dams for livestock water:

(a) Soil or gravel.—**\$0.30 per cu. ft.**

(b) Rock formation.—**\$0.50 per cu. ft.**

(25) **Tillage of cropland for water conservation and control of annual weeds.**—Cultivation of cropland, beginning as soon as possible after the harvest of a small grain crop, but not later than the date set by the State Committee, with implements that will leave the crop residue on the surface. Tillage operations should be on the contour

where necessary to control water erosion, and performed often enough to control annual weeds. No credit will be given for this practice if the acreage is devoted to a 1945 fall seeded crop.—**\$0.35 per acre.**

(26) **Tree planting.**—Prior approval of the site and of the variety of the tree to be planted must be obtained from the county committee. The plantings must be made in accordance with good tree culture and the new planting must be protected from fire and grazing. The following varieties of trees may be approved for payment provided they are adapted to the particular soil type, climatic conditions, moisture conditions, and site: Russian olive, American elm, Chinese elm, cottonwood, boxelder, red cedar, green ash, ponderosa pine, colorado blue spruce, black hills spruce, and Scotch pine.

(a) Planting for forest purposes or gully control.—**\$1 per 100 trees**, but not more than **\$7.50 per acre.**

(b) Planting for windbreak purposes.—**\$2 per 100 trees.**

(27) **Tree maintenance.**—Maintaining for forest purposes, a good stand of at least 300 trees per acre, or for windbreak purposes, a good stand of at least 250 trees per acre, which have been planted between January 1, 1940, and January 1, 1945, by cultivating sufficiently to control other vegetation, protecting from fire and grazing, and replanting if necessary.—**\$3 per acre.**

C. DEFINITIONS

(1) **Farm.** Farm means all adjacent or nearby farm land under the same ownership which is operated by one person, including also:

(a) Any other adjacent or nearby farm land which the county committee, in accordance with instructions issued by the Agricultural Adjustment Agency, determines is operated by the same person as part of the same unit with respect to the rotation of crops and with workstock, farm machinery, and labor substantially separated from that for any other lands; and

(b) Any field-rented tract (whether operated by the same or another person) which, together with any other land included in the farm, constitutes a unit with respect to the rotation of crops.

(c) A farm shall be regarded as located in the county in which the principal dwelling is situated, or if there is no dwelling thereon, it shall be regarded as located in the county in which the major portion of the farm is located.

(2) **Cropland.**—Cropland means farm land which in 1944 was tilled or was in regular rotation, excluding any land which constitutes, or will constitute if such tillage is continued, a wind-erosion hazard to the community, and excluding also, any land in commercial orchards.

(3) **Noncrop open pasture land.**—Noncrop open pasture land means pasture land (other than rotation pasture land) on which the predominant growth is forage suitable for grazing and on which the number of grouping of any trees or shrubs is such that the land could not fairly be considered as woodland.

(4) **Commercial orchards.**—Commercial orchards means the acreage on the farm in planted or cultivated fruit trees, nut trees, vineyards, hops, or bush fruits (excluding nonbearing orchards and vineyards), from which the major portions of the production is normally sold.

(5) **Person.**—Person means an individual, partnership, association, corporation, estate, or trust, or other business enterprise or other legal

entity, and wherever applicable, a State, a political subdivision of a State, or any agency thereof.

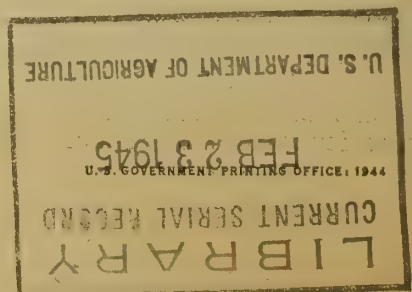
(6) **Producer.**—Producer means any person who as landlord, tenant, or sharecropper, participates in the operation of a farm.

D. NONCROP OPEN PASTURE RATES TO BE USED IN COMPUTING FARM ALLOWANCES

County	Rate per acre (cents)	County	Rate per acre (cents)	County	Rate per acre (cents)
Adams	14	Frontier	7	Nance	18
Antelope	11	Furnas	10	Nemaha	22
Arthur	7	Gage	22	Nuckolls	17
Banner	7	Garden	7	Otoe	22
Blaine	7	Garfield	7	Pawnee	22
Boone	13	Gosper	9	Perkins	7
Box Butte	7	Grant	8	Phelps	10
Boyd	8	Greeley	9	Pierce	14
Brown	7	Hall	14	Platte	19
Buffalo	13	Hamilton	18	Polk	19
Burt	22	Harlan	10	Redwillow	7
Butler	22	Hayes	7	Richardson	20
Cass	22	Hitchcock	6	Rock	7
Cedar	19	Holt	8	Saline	22
Chase	7	Hooker	7	Sarpy	22
Cherry	7	Howard	14	Saunders	22
Cheyenne	7	Jefferson	22	Scotts Bluff	7
Clay	16	Johnson	22	Seward	22
Colfax	22	Kearney	12	Sheridan	7
Cuming	22	Keith	7	Sherman	13
Custer	8	Keyapaha	7	Sioux	7
Dakota	19	Kimball	6	Stanton	18
Dawes	7	Knox	11	Thayer	18
Dawson	11	Lancaster	22	Thomas	7
Deuel	7	Lincoln	7	Thurston	22
Dixon	21	Logan	6	Valley	8
Dodge	22	Loup	7	Washington	22
Douglas	22	McPherson	6	Wayne	21
Dundy	7	Madison	16	Webster	14
Fillmore	19	Merrick	17	Wheeler	7
Franklin	11	Morrill	7	York	22

E. Pooling of practice allowances.—Producers in any local area, may agree in writing, with the approval of the State committee, to combine all or any part of their farm allowances, including the special practice allowance for Leveling Land for Irrigation and Weed Control, when such practices are performed under a pooling agreement for the performance of practices set forth in this section. For purposes of payment, practices carried out under a written Pooling Agreement will be regarded as having been carried out on the farms of the producers who performed the practices. Following are the practices which may be pooled:

- (a) Dams for livestock water or erosion control when the dams are used for erosion control.
- (b) Spreader ditches.
- (c) Weed control.
- (d) Leveling land for irrigation.
- (e) Farm drainage ditches.



UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL ADJUSTMENT AGENCY

Washington, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

NORTH CENTRAL REGION

OHIO COMMITTEEMAN'S PRACTICE HANDBOOK

The 1945 Farm Program is designed to assist the farmers of Ohio to the fullest possible extent in protecting their soils against damage from erosion and loss of fertility.

The county committee, with the approval of the State committee, may designate those practices which will be approved for payment in the county in order that the farm allowance will be used most effectively to bring about increased conservation, or the county committee may specify for any group of farms a proportion of the farm allowance which may be earned only by carrying out certain designated practices which are very much needed.

A. CONSERVATION PRACTICE ALLOWANCE

The practice allowance is the maximum amount of payment that may be made for carrying out approved conservation practices.

(1) The allowance for the special Tree Planting, and Tree Maintenance practices shall be \$15.00, plus any portion of the regular practice allowance determined under item (2) below, which is not earned by the performance of regular practices.

(2) The allowance for regular practices shall be the sum of the following, or \$15.00, whichever is greater:

- (a) 50 cents times the acreage classified as cropland.
- (b) 20 cents times the acreage classified as noncrop open pasture.
- (c) \$1.00 times the acreage classified as commercial orchards.
- (d) 50 cents times the acreage classified as the normal commercial vegetable acreage for the farm.

B. CONSERVATION PRACTICES

The practices available for 1945 are those which are most needed in order to conserve and improve soil fertility, improve pasture land, prevent wind and water erosion, and promote conservation and better utilization of water. Assistance will be available through the conservation practices allowance for carrying out the following practices during the program year January 1, 1945, through December 31, 1945. To qualify for payment, each practice must be carried out in accordance with the specifications for that practice and be in keeping with good farming practices for the locality.

The total extent of any practice performance shall be reduced for purposes of payment by the percentage of the total cost of the practice which the county committee determines was furnished by a State or Federal agency. The extent of any practice shall not be reduced because a portion of the cost is represented by materials or services furnished by the A. A. A. or equipment furnished by S. C. S., or ma-

terials or services furnished by an agency of a State or political subdivision thereof to another agency or political subdivision of the same State, or trees purchased from a Clark-McNary Cooperative State Nursery.

All **special practices** listed under this section are designated by asterisks (**). Practices not designated as special practices will be considered as **regular practices**.

(1) **Contouring intertilled crops.**—Contour farming of intertilled crops on sloping land, provided the crop stubble is left on the land or a good stand of a winter cover crop is obtained. If there is danger of erosion in waterways, such waterways must be permanently established in sod. No credit will be given for this practice for any acreage qualifying under the Contour Stripcropping practice. No credit will be given for this practice on land with less than a 2-percent slope.—**\$1.50 per acre.**

(2) **Contour seeding.**—Contour seeding of small grain crops, sorghums, Sudan grass, millett or soybeans on sloping land. All operations in connection with the seeding must be on the contour. If there is danger of erosion in waterways, such waterways must be permanently established in sod. No credit will be given for this practice for any acreage qualifying under the Stripcropping practice.—**\$0.50 per acre.**

(3) **Establishing contour stripcropping.**—By growing alternate strips of intertilled crops with sown, close-drilled, or sod crops, on the contour, provided: (1) the strips are approximately the same width; (2) the strips are not less than 2 rods nor more than 10 rods in width; and (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained. Buffer strips must be at least 1 rod in width.—**\$2.50 per acre.**

(4) **Maintaining contour stripcropping.**—Maintaining contour stripcropping previously established, by growing alternate strips of intertilled crops with sown, close-drilled, or sod crops, on the contour, provided: (1) the strips are approximately the same width; (2) the strips are not less than 2 rods nor more than 10 rods in width; and (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained. When in the normal course of crop rotation it is necessary to have two adjacent strips of sown, close-drilled, or sod crops, payment will be made for the entire field. Buffer strips must be at least 1 rod in width.—**\$1 per acre.**

(5) **Field stripcropping to control water erosion.**—By growing alternate strips of intertilled crops with sown, close-drilled, or sod crops, provided: (1) the strips are approximately parallel and are laid out across the general slope; (2) the strips are approximately the same width; (3) the strips are not less than 2 rods nor more than 10 rods in width; and (4) the crop stubble is left standing or a good stand of a winter cover crop is obtained. No credit will be given for this practice on land which has a slope of less than 2 percent. Buffer strips must be at least 1 rod in width.—**\$0.50 per acre.**

(6) **Standard and diversion terraces.**—With prior approval of the county committee, construction of standard and diversion terraces for which proper outlets are provided. The terraces and outlets should be constructed to conform with specifications for standard and diver-

sion terraces for the area as recommended by the U. S. Department of Agriculture.—**\$1 per 100 lin. ft.**

(7) **Establishing sod waterways.**—Establishing a permanent sod waterway on any crop land where a permanent vegetative cover is necessary in a waterway channel or terrace outlet, or in cultivated orchards. The channel of the waterway must be sufficiently wide to carry the run-off from the drainage area and must be at least 10 feet wide at the narrowest point and the edges broken sufficiently to prevent edge erosion. The channel must contain perennial grasses, and a good vegetative growth must be obtained.—**\$0.75 per 1,000 sq. ft.**

(8) **Maintaining sod waterways.**—Maintaining an established sod waterway at least 10 feet wide at the narrowest point in a field which is devoted to intertilled crops, by lifting the plow when the waterway is crossed, mowing, sodding or reseeding breaks in the sod, protecting from damage by livestock, and by use of other practices necessary to maintain a good vegetative cover. No credit will be given for this practice for any waterway for which credit is given under Practice (7).—**\$0.25 per 1,000 sq. ft.**

(9) **Seeding of depleted pasture on land designated as noncrop open pasture.**—Limestone and fertilizers must be applied as needed and the land must be disked or springtoothed sufficiently to prepare a good seedbed:

(a) Seedings of lespedeza.—**\$0.10 per lb.**

(b) Seedings of Ladino clover or southern grown white clover or a mixture of these crops. Bluegrass seed may be included, but no payment will be made for the bluegrass in the mixture.—**\$0.40 per lb.**

(c) Seedings of biennial and perennial legumes and perennial grasses which must contain at least 4 lbs. of alfalfa seed per acre. The part of the weight of the mixture which is sweet clover, timothy, or redtop is not eligible for payment.—**\$0.25 per lb.**

(d) Seeding of a mixture of biennial and perennial legumes and perennial grasses which may include sweet clover, timothy, and redtop.—**\$0.20 per lb.**

(10) **Preparation for the seeding of perennial legumes or grasses on land designated as noncrop open pasture.**—By diskings or springtoothings to insure a thicker stand and a better growth of the newly seeded legumes and grasses. Credit will be given only if used in connection with Practice No. (9).—**\$0.75 per acre.**

(11) **Mowing weeds.**—Mowing weeds on pasture land a sufficient number of times during the growing season to prevent weed seed formation and improve the stand of grass or legumes. No hay or seed crop may be taken from the land.—**\$0.50 per acre per mowing.**

(12) **Dams for livestock water.**—With prior approval of the county committee, construction of earthen, concrete, or masonry dams and reservoirs for the purpose of providing water for livestock. Earthen dams must be constructed with minimum slopes of 3 to 1 on the upstream side and 2 to 1 on the downstream side, and must have a crown width of one foot for every foot in height of fill, but not exceeding 10 feet. Dams of 10 feet or less in height must have a minimum free board of 3 feet. Dams over 10 feet in height must have a minimum free board of 4 feet. Spillways must be of sufficient width to carry the expected overflow from the drainage area. The water in the pond must be at least 4 feet deep at the deepest point.

- (a) For earth or other material moved—\$0.12 per cu. yd.
- (b) For concrete or masonry—\$9 per cu. yd.
- (c) For rubble masonry—\$6 per cu. yd.

(13) **Green manure crops.**—Disking or plowing under a good stand and a good growth of the following crops. If the land is subject to erosion and the green manure crop is plowed down in the fall, the land must be protected by a winter cover crop.—\$1.50 per acre:

- (a) Winter rye, winter barley, winter vetch, crimson clover, and ryegrass, seeded in the fall of 1944, except that acreage for which a 1944 winter cover crop practice payment was made.
- (b) Sweet clover.

(14) **Harvesting hayseed.**—Harvesting for seed an acreage of alfalfa, red clover, alsike, white clover, sweet clover, and brome grass. Credit will not be given for more than 25 acres per farm.—\$3.50 per acre.

(15) **Farm ditches.**—With prior approval of the county committee, construction or cleaning out of farm ditches (except ditches constructed or maintained by a drainage district), including lateral and lead ditches, for which proper outlets are provided, and adequate provision is made for entrance of water into and out of the ditches. The ditches must have sufficient capacity to remove the normal excess surface water. When ditches are constructed under an approved Pooling Agreement the \$5.00 per 100 lin. ft. limitation will be removed.—\$0.08 per cu. yd. of material moved, but not in excess of \$5 per 100 lin. ft.

(16) **Ditches for tile drainage.**—With prior approval of the county committee, excavation for the purpose of installation of tile drains, provided the size of tile, outlets, and gradient meet the specifications for standard drainage as recommended by the Department of Agriculture. No credit will be given if the tile lines are to be used for any purpose other than the draining of agricultural land.—\$0.40 per rod.

(17) **Weed control.**—With prior approval of the county committee, eradication of effective control of seriously infested plots of **Canada thistle**, and **European bindweed**. Payment for this practice may be approved only on farms where approved weed control measures are being carried out on all adjacent infested farms and contiguous land, where the infestation is limited to a single farm, or where the county committee determines that there is no likelihood of reinfestation from adjacent or contiguous land:

- (a) By use of sodium chlorate or other chemicals.—\$0.10 per lb.
- (b) By clean tillage.—\$10 per acre.

(18) ****Tree planting.**—Prior approval of the site and of the variety of the tree to be planted must be obtained from the county committee. The plantings must be made in accordance with good tree culture and the new planting must be protected from fire and grazing. The following varieties of trees may be approved for payment provided they are adapted to the particular soil type, climatic conditions, moisture conditions, and site: Yellow poplar, sugar maple, basswood, green oak, black walnut, black locust, hardy catalpa, eastern white pine, shortleaf pine, Virginia pine, pitch pine, eastern red clover, walnut, butternut, shagbark hickory, mockernut hickory, pignut hickory,

white oak, red oak, black oak, red maple, white ash, green ash, red pine, and Scotch pine.

(a) Planting for forest purposes or gully control—\$1 per 100 trees, but not in excess of \$7.50 per acre.

(b) Planting for windbreak purposes.—\$2 per 100 trees.

(19) ****Tree maintenance.**—Maintaining for forest purposes, a good stand of at least 500 trees per acre, or for windbreak purposes, a good stand of at least 250 trees per acre, which have been planted between January 1, 1940, and January 1, 1945, by cultivating sufficiently to control other vegetation, protecting from fire and grazing, and replanting if necessary.—\$3 per acre.

(20) **Mulching materials.**—Application of small grain straw, bean straw, shredded corn stover, ground corn cobs, sawdust, clover or grass hay, and crop residue obtained from harvesting legumes or grass for seed, in commercial orchards, in vineyards, on commercial vegetable, on potato land, or on strawberries or other small fruit.—\$4 per ton.

(21) **Liming materials** (credit rates are contained in NCR-901 Ohio, Suppl. 1).—Application of the following materials:

(a) **One ton of agricultural meal, ground limestone, pulverized limestone, or superfine limestone,** containing calcium and magnesium carbonate equivalent to not less than 80 percent calcium carbonate. The material must be ground sufficiently fine so that 80 percent, including all of the finer particles obtained in the grinding process, will pass through an 8-mesh sieve and 20 percent will pass through a 100-mesh sieve. The moisture content at the time of shipment must not exceed 8 percent. The specifications for calcium carbonate content and percent of material passing through an 8-mesh sieve must be such that the multiplication of these specifications will be equal to or in excess of 0.72. If the material will not qualify with respect to either calcium carbonate equivalent or fineness, or both, the county committee must require a correspondingly greater amount of material.

(b) **One ton of substandard limestone** containing calcium and magnesium carbonate equivalent equal to not less than 60 percent of calcium carbonate.

(c) **One ton of calcium carbide refuse lime** containing at least 85 percent of calcium carbonate and testing not more than 25 percent moisture at the shipping point. A correspondingly greater amount of material must be required if the material does not meet these specifications.

(d) **One ton of blast furnace slag** containing 80 percent calcium carbonate equivalent and ground sufficiently so that 80 percent will pass through an 8-mesh sieve.

(e) **One cu. yd. of marl.**

(f) **One cu. yd. of sugar beet refuse lime.**

(g) **One ton of commercial burnt lime.**

(h) **One ton of home burnt lime.**

(i) **One ton of hydrated lime.**

(22) **Fertilizers.**—Application of **superphosphate, rock phosphate, or potash** when such material is applied (1) to **new seedings** of biennial or perennial legumes, perennial grasses, winter legumes, lespedeza, or permanent pasture; (2) to **old stands** of biennial and perennial legumes, perennial grasses, or permanent pasture, provided the acreage on which such applications are made is not devoted to, cultivated for, or plowed for any other crop during the program year. (No credit will be given for materials furnished by the Agricultural

Adjustment Agency applied to a seeding if wheat is used as a nurse crop) and (3) to **green manure crops** in orchards:

- | | |
|---|------------------------------------|
| (a) Application of superphosphate or defluorinated phosphate rock—\$4.70 per 100 lbs. of available P_2O_5 . | (j) 100 pounds of 0-19-0.—\$0.90. |
| (b) Application of rock phosphate—\$0.60 per 100 lbs. | (k) 100 pounds of 0-20-0.—\$0.95. |
| (c) Application of potash.—\$3.25 per 100 lbs. of available K_2O . | (l) 100 pounds of 0-20-10.—\$1.25. |
| (d) 100 pounds of 0-9-27.—\$1.30. | (m) 100 pounds of 0-20-20.—\$1.60. |
| (e) 100 pounds of 0-10-20.—\$1.10. | (n) 100 pounds of 2-12-6.—\$0.75. |
| (f) 100 pounds of 0-12-12.—\$0.95. | (o) 100 pounds of 3-9-18.—\$1.00. |
| (g) 100 pounds of 0-14-7.—\$0.90. | (p) 100 pounds of 3-12-12.—\$0.95. |
| (h) 100 pounds of 0-14-14.—\$1.10. | (q) 100 pounds of 3-18-9.—\$1.15. |
| (i) 100 pounds of 0-18-0.—\$0.85. | (r) 100 pounds of 4-10-8.—\$0.65. |
| | (s) 100 pounds of 4-16-0.—\$0.75. |
| | (t) 100 pounds of 5-10-10.—\$0.80. |
| | (u) 100 pounds of 8-8-8.—\$0.65. |
| | (v) 100 pounds of 10-6-4.—\$0.40. |

C. DEFINITIONS

(1) **Farms.**—Farm means all adjacent or nearby farm land under the same ownership which is operated by one person, including also:

(a) Any other adjacent or nearby farm land which the county committee, in accordance with instructions issued by the Agricultural Adjustment Agency, determines is operated by the same person as part of the same unit with respect to the rotation of crops and with work stock, farm machinery, and labor substantially separate from that for any other lands; and

(b) Any field-rented tract (whether operated by the same or another person) which, together with any other land included in the farm, constitutes a unit with respect to the rotation of crops.

(c) A farm shall be regarded as located in the county in which the principal dwelling is situated, or if there is no dwelling thereon, it shall be regarded as located in the county in which the major portion of the farm is located.

(2) **Cropland.**—Cropland means farm land which in 1944 was tilled or was in regular rotation, excluding any land which constitutes, or will constitute if such tillage is continued, a wind-erosion hazard to the community, and excluding also, any land in commercial orchards.

(3) **Noncrop open pasture land.**—Noncrop open pasture land means pasture land (other than rotation pasture land) on which the predominant growth is forage suitable for grazing and on which the number or grouping of any trees or shrubs is such that the land could not fairly be considered as woodland.

(4) **Commercial orchards.**—Commercial orchards means the acreage on the farm in planted or cultivated fruit trees, nut trees, vineyards, hops, or bush fruits (excluding nonbearing orchards and vineyards), from which the major portion of the production is normally sold.

(5) **Normal commercial vegetable acreage.**—The normal commercial vegetable acreage for the farm means the acreage of vegetables or truck crops of which the principal part of the production is sold to persons not living on the farm, including the acreage of sweet potatoes, tomatoes, sweet corn, melons, cantaloupes, strawberries, and commercial bulbs and flowers. The only vegetable or truck crops not included are peas or sweet corn for processing, artichokes for other use than vegetables, and Irish potatoes.

(6) **Person.**—Person means an individual, partnership, association, corporation, estate, or trust, or other business enterprise or other legal entity, and, wherever applicable, a State, a political subdivision of a State, or any agency thereof.

(7) **Producer.**—Producer means any person who as landlord, tenant, or sharecropper, participates in the operation of a farm.

D. POOLING OF PRACTICE ALLOWANCE

Producers in any local area may agree in writing, with the approval of the State committee, to combine all or any part of their farm allowance for the performance of Practice No. (15) Farm Ditches, provided their farms are benefited by the construction of the ditches. For purposes of payment the practice carried out under an approved written pooling agreement will be regarded as having been carried out on the farms of the producers who performed the practice.

U. S. DEPARTMENT OF AGRICULTURE

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UNITED STATES DEPARTMENT OF AGRICULTURE
 AGRICULTURAL ADJUSTMENT AGENCY
 WASHINGTON, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

SUPPLEMENT 1 TO OHIO COMMITTEEMAN'S PRACTICE HANDBOOK

1945 CREDIT RATES FOR LIMING MATERIALS—OHIO

Following are the materials for which the credit rates are the same throughout the State:

Type of material	Credit rate
Calcium carbide refuse lime	\$1.50 per ton.
Water-softening process lime70 per cu. yd.
Marl	1.00 per cu. yd.
Sugarbeet refuse lime80 per cu. yd.
Commercial burnt lime	4.00 per ton.
Home burnt lime	1.00 per ton.
Hydrated lime	4.00 per ton.

The following are the credit rates per ton for the other materials for which credit will be given in your county:

ADAMS COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Bratton	\$1. 60	Liberty	\$1. 90	Scott	\$1. 80
Brush Creek	1. 90	Manchester	2. 00	Sprigg	2. 00
Franklin	1. 60	Meigs	1. 60	Tiffin	1. 80
Green	2. 10	Monroe	2. 00	Wayne	1. 80
Jefferson	1. 90	Oliver	1. 80	Winchester	1. 90

ALLEN COUNTY

Amanda	\$1. 00	Jackson	\$1. 40	Richland	\$1. 10
American	1. 20	Marion	1. 00	Shawnee	1. 40
Auglaize	1. 40	Monroe	1. 40	Spencer	1. 00
Bath	1. 30	Perry	1. 40	Sugar Creek	1. 30

ASHLAND COUNTY

Clear Creek	\$1. 80	Miffin	\$2. 20	Perry	\$2. 10
Green	2. 20	Milton	2. 20	Ruggles	1. 60
Hanover	2. 20	Mohican	2. 20	Sullivan	1. 80
Jackson	2. 00	Montgomery	2. 10	Troy	1. 80
Lake	2. 20	Orange	2. 00	Vermilion	2. 30

ASHTABULA COUNTY

Andover	\$2. 20	Hartsgrove	\$2. 20	Richmond	\$2. 20
Ashtabula	2. 20	Jefferson	2. 30	Rome	2. 20
Austinburg	2. 20	Kingsville	2. 00	Saybrook	2. 20
Cherry Valley	2. 20	Lenox	2. 20	Sheffield	2. 20
Colebrook	2. 20	Monroe	2. 20	Trumbull	2. 20
Conneaut	2. 20	Morgan	2. 20	Wayne	2. 20
Denmark	2. 20	New Lyme	2. 20	Williamsfield	2. 20
Dorset	2. 20	Orwell	2. 20	Windsor	2. 20
Geneva	2. 20	Pierpont	2. 20		
Harpersfield	2. 20	Plymouth	2. 30		

ATHENS COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Alexander-----	\$2. 40	Carthage-----	\$2. 40	Trimble-----	\$2. 20
Ames-----	2. 30	Dover-----	2. 20	Troy-----	2. 40
Athens-----	2. 10	Lee-----	2. 20	Waterloo-----	2. 30
Bern-----	2. 30	Lodi-----	2. 40	York-----	2. 20
Canaan-----	2. 10	Rome-----	2. 40		

AUGLAIZE COUNTY

Clay-----	\$2. 00	Logan-----	\$1. 50	Salem-----	\$1. 60
Duchouquet-----	1. 70	Moulton-----	1. 60	Union-----	1. 90
German-----	2. 00	Noble-----	1. 70	Washington-----	1. 60
Goshen-----	2. 10	Pusheta-----	1. 80	Wayne-----	2. 10
Jackson-----	2. 10	St. Marys-----	1. 70		

BELMONT COUNTY

Township	Lime- stone	Blast fur- nace slag	Township	Lime- stone	Blastfur- nace slag
Colerain-----	\$2. 40	\$1. 70	Smith-----	\$2. 40	\$1. 70
Flushing-----	2. 50	1. 70	Somerset-----	2. 50	1. 70
Goshen-----	2. 40	1. 70	Union-----	2. 40	1. 70
Kirkwood-----	2. 60	1. 80	Warren-----	2. 40	1. 70
Mead-----	2. 70	1. 90	Washington-----	2. 70	1. 90
Pease-----	2. 40	1. 70	Wayne-----	2. 50	1. 70
Pultney-----	2. 50	1. 70	Wheeling-----	2. 40	1. 70
Richland-----	2. 40	1. 70	York-----	2. 60	1. 80

BROWN COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Byrd-----	\$2. 30	Jackson-----	\$2. 20	Scott-----	\$2. 10
Clark-----	2. 10	Jefferson-----	2. 20	Sterling-----	2. 10
Eagle-----	2. 10	Lewis-----	2. 30	Union-----	2. 40
Franklin-----	2. 20	Perry-----	2. 20	Washington-----	2. 10
Green-----	2. 10	Pike-----	2. 10		
Huntington-----	2. 40	Pleasant-----	2. 30		

BUTLER COUNTY

Fairfield-----	\$1. 60	Milford-----	\$2. 20	St. Clair-----	\$1. 90
Hanover-----	1. 90	Morgan-----	1. 60	Union-----	1. 60
Lemon-----	1. 90	Oxford-----	2. 30	Wayne-----	2. 10
Liberty-----	1. 60	Relly-----	1. 80		
Madison-----	2. 20	Ross-----	1. 60		

CARROLL COUNTY

Augusta-----	\$2. 40	Harrison-----	\$2. 30	Perry-----	\$2. 30
Brown-----	2. 30	Lee-----	2. 40	Rose-----	2. 30
Center-----	2. 30	Loudon-----	2. 40	Union-----	2. 40
East-----	2. 40	Monroe-----	2. 20	Washington-----	2. 40
Fox-----	2. 60	Orange-----	2. 20		

CHAMPAIGN COUNTY

Adams-----	\$1. 70	Jackson-----	\$1. 60	Salem-----	\$1. 90
Concord-----	1. 70	Johnson-----	1. 60	Union-----	2. 00
Goshen-----	2. 00	Mad River-----	1. 70	Urbana-----	1. 90
Harrison-----	1. 80	Rush-----	2. 10	Wayne-----	2. 00

CLARK COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Bethel	\$1. 80	Mad River	\$2. 00	Pleasant	\$2. 10
German	1. 80	Madison	2. 20	Springfield	2. 00
Greene	2. 20	Moorefield	2. 00		
Harmony	2. 10	Pike	1. 60		

CLERMONT COUNTY

Batavia	\$1. 20	Monroe	\$1. 30	Union	\$1. 20
Franklin	1. 60	Ohio	1. 30	Washington	1. 60
Goshen	1. 30	Pierce	1. 20	Wayne	1. 60
Jackson	1. 30	Stonelick	1. 30	Williamsburg	1. 40
Miami	1. 20	Tate	1. 30		

CLINTON COUNTY

Adams	\$1. 50	Liberty	\$1. 60	Washington	\$1. 60
Chester	1. 60	Marion	1. 80	Wayne	1. 50
Clark	1. 50	Richland	1. 40	Wilson	1. 40
Green	1. 50	Union	1. 50		
Jefferson	1. 70	Vernon	1. 70		

COLUMBIANA COUNTY

Township	Lime-stone	Blast fur-nace slag	Township	Lime-stone	Blast fur-nace slag
Butler	\$2. 20	\$1. 60	Middleton	\$2. 40	\$1. 50
Center	2. 00	1. 60	Perry	2. 20	1. 50
Elk Run	2. 00	1. 50	St. Clair	2. 40	1. 70
Fairfield	2. 00	1. 40	Salem	2. 20	1. 50
Franklin	2. 30	1. 80	Unity	2. 20	1. 50
Hanover	2. 30	1. 70	Washington	2. 40	1. 80
Knox	2. 30	1. 70	Wayne	2. 30	1. 70
Liverpool	2. 50	1. 80	West	2. 30	1. 80
Madison	2. 40	1. 70	Yellow Creek	2. 40	1. 70

COSHOCTON COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Adams	\$2. 30	Keene	\$2. 30	Pike	\$2. 70
Bedford	2. 50	Lafayette	2. 20	Tiverton	2. 30
Bethlehem	2. 30	Linton	2. 70	Tuscarawas	2. 10
Clark	2. 20	Mill Creek	2. 40	Virginia	2. 50
Crawford	2. 30	Monroe	2. 20	Washington	2. 50
Franklin	2. 50	Newcastle	2. 30	White Eyes	2. 20
Jackson	2. 30	Oxford	2. 30		
Jefferson	2. 20	Perry	2. 40		

CRAWFORD COUNTY

Auburn	\$1. 60	Jackson	\$1. 50	Texas	\$1. 30
Bucyrus	1. 30	Jefferson	1. 40	Tod	1. 20
Chatfield	1. 30	Liberty	1. 30	Vernon	1. 50
Cranberry	1. 40	Lykens	1. 30	Whetstone	1. 40
Dallas	1. 30	Polk	1. 50		
Holmes	1. 20	Sandusky	1. 40		

CUYAHOGA COUNTY

Township	Lime-stone	Blast fur-nace slag	Township	Lime-stone	Blast fur-nace slag
Bedford	\$2. 30	\$1. 60	Parma	\$2. 00	\$1. 40
Brecksville	2. 20	1. 50	Solon	2. 40	1. 70
Euclid	2. 30	1. 60	Strongsville	2. 00	1. 40
Olmsted	2. 00	1. 40	Westlake	1. 80	1. 20

DARKE COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Adams	\$1. 90	Jackson	\$2. 10	Twin	\$1. 60
Allen	1. 30	Liberty	1. 90	Van Buren	1. 80
Brown	2. 00	Mississinawa	1. 30	Wabash	1. 30
Butler	1. 60	Monroe	1. 60	Washington	2. 00
Franklin	1. 80	Neave	1. 80	Wayne	2. 10
Greenville	1. 90	Patterson	1. 30	York	1. 70
Harrison	1. 80	Richland	2. 00		

DEFIANCE COUNTY

Adams	\$2. 00	Hicksville	\$1. 90	Noble	\$1. 80
Defiance	1. 80	Highland	1. 80	Richland	1. 90
Delaware	1. 80	Mark	1. 90	Tiffin	1. 90
Farmer	2. 00	Milford	2. 00	Washington	2. 00

DELAWARE COUNTY

Berkshire	\$1. 40	Harlem	\$1. 50	Porter	\$1. 50
Berlin	1. 30	Kingston	1. 40	Radnor	1. 10
Brown	1. 30	Liberty	1. 20	Scioto	1. 10
Concord	1. 20	Marlboro	1. 20	Thompson	1. 20
Delaware	1. 20	Orange	1. 50	Trenton	1. 40
Genoa	1. 50	Oxford	1. 30	Troy	1. 20

ERIE COUNTY

Berlin	\$1. 30	Margaretta	\$1. 20	Portland	\$1. 10
Florence	1. 40	Milan	1. 30	Vermilion	1. 40
Groton	1. 20	Oxford	1. 20		
Huron	1. 20	Perkins	1. 10		

FAIRFIELD COUNTY

Amanda	\$1. 80	Hocking	\$2. 20	Rush Creek	\$2. 60
Berne	2. 30	Liberty	2. 10	Violet	1. 70
Bloom	1. 90	Madison	2. 30	Walnut	2. 00
Clear Creek	2. 20	Pleasant	2. 00		
Greenfield	1. 90	Richland	2. 10		

FAYETTE COUNTY

Concord	\$1. 30	Madison	\$1. 50	Union	\$1. 40
Green	1. 30	Marion	1. 40	Wayne	1. 40
Jasper	1. 40	Paint	1. 50		
Jefferson	1. 50	Perry	1. 30		

FRANKLIN COUNTY

Blendon	\$1. 60	Jefferson	\$1. 70	Plain	\$1. 80
Brown	1. 50	Madison	1. 80	Pleasant	1. 60
Clinton	1. 50	Marion	1. 60	Prairie	1. 40
Franklin	1. 40	Miffin	1. 60	Sharon	1. 40
Hamilton	1. 70	Norwich	1. 40	Truro	1. 60
Jackson	1. 50	Perry	1. 30	Washington	1. 30

FULTON COUNTY

Amboy	\$1. 80	Franklin	\$2. 20	Pike	\$1. 80
Chesterfield	2. 10	Fulton	1. 60	Royalton	1. 90
Clinton	1. 80	German	2. 10	Swan Creek	1. 60
Dover	1. 90	Gorham	2. 50	York	1. 80

GALLIA COUNTY

Addison	\$2. 20	Greenfield	\$2. 70	Ohio	\$2. 60
Cheshire	2. 20	Guyan	2. 60	Perry	2. 50
Clay	2. 40	Harrison	2. 40	Raccoon	2. 10
Gallipolis	2. 20	Huntington	2. 20	Springfield	2. 00
Green	2. 30	Morgan	2. 00	Walnut	2. 60

GEAUGA COUNTY

Auburn	\$2. 50	Hambden	\$2. 40	Parkman	\$2. 50
Bainbridge	2. 40	Huntsburg	2. 50	Russell	2. 40
Burton	2. 40	Middlefield	2. 40	Thompson	2. 50
Chardon	2. 40	Montville	2. 50	Troy	2. 60
Chester	2. 40	Munson	2. 40		
Claridon	2. 40	Newbury	2. 40		

GREENE COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Bath	\$2. 00	Jefferson	\$1. 50	Silver Creek	\$1. 70
Beaver Creek	2. 00	Miami	2. 00	Spring Valley	1. 90
Caesar Creek	1. 70	New Jasper	1. 80	Sugar Creek	1. 90
Cedarville	1. 80	Ross	1. 80	Xenia	1. 80

GUERNSEY COUNTY

Adams	\$1. 90	Londonderry	\$2. 40	Valley	\$1. 70
Cambridge	2. 00	Madison	2. 20	Washington	2. 40
Center	2. 00	Millwood	2. 40	Westland	1. 80
Jackson	1. 80	Monroe	2. 20	Wheeling	2. 20
Jefferson	2. 30	Oxford	2. 40	Wills	2. 30
Knox	2. 00	Richland	2. 30		
Liberty	2. 20	Spencer	1. 70		

HAMILTON COUNTY

Anderson	\$1. 20	Delhi	\$1. 40	Springfield	\$1. 40
Colerain	1. 30	Green	1. 40	Sycamore	1. 30
Columbia	1. 20	Harrison	1. 40	Symmes	1. 30
Crosby	1. 50	Miami	1. 30	Whitewater	1. 20

HANCOCK COUNTY

Allen	\$1. 30	Eagle	\$1. 10	Pleasant	\$1. 30
Amanda	1. 30	Jackson	1. 20	Portage	1. 30
Biglick	1. 30	Liberty	1. 10	Union	1. 10
Blanchard	1. 30	Madison	1. 40	Van Buren	1. 10
Cass	1. 30	Marion	1. 20	Washington	1. 40
Delaware	1. 40	Orange	1. 10		

HARDIN COUNTY

Blanchard	\$1. 20	Hale	\$1. 30	Marion	\$1. 40
Buck	1. 20	Jackson	1. 20	Pleasant	1. 20
Cessna	1. 20	Liberty	1. 40	Roundhead	1. 40
Dudley	1. 20	Lynn	1. 20	Taylor Creek	1. 30
Goshen	1. 20	McDonald	1. 30	Washington	1. 30

HARRISON COUNTY

Archer	\$2. 40	German	\$2. 30	Nottingham	\$2. 50
Athens	2. 50	Green	2. 40	Rumley	2. 20
Cadiz	2. 40	Monroe	2. 30	Short Creek	2. 40
Franklin	2. 50	Moorefield	2. 40	Stock	2. 50
Freeport	2. 40	North	2. 20	Washington	2. 50

HENRY COUNTY

Bartlow	\$1. 20	Liberty	\$1. 50	Richfield	\$1. 10
Damascus	1. 10	Marion	1. 30	Ridgeville	1. 70
Flatrock	1. 40	Monroe	1. 20	Washington	1. 40
Freedom	1. 70	Napoleon	1. 50		
Harrison	1. 20	Pleasant	1. 50		

HIGHLAND COUNTY

Brush Creek	\$1. 60	Jackson	\$1. 60	Penn.	\$1. 70
Clay	1. 80	Liberty	1. 30	Salem	1. 60
Concord	1. 40	Madison	1. 50	Union	1. 40
Dodson	1. 50	Marshall	1. 40	Washington	1. 30
Fairfield	1. 70	New Market	1. 30	White Oak	1. 50
Hamer	1. 60	Paint	1. 50		

HOCKING COUNTY

Township	Limestone				Limestone
All townships					\$2. 40

HOLMES COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Berlin	\$2. 30	Mechanic	\$2. 20	Ripley	\$2. 20
Clark	2. 30	Monroe	2. 20	Salt Creek	2. 30
Hardy	2. 10	Paint	2. 30	Walnut Creek	2. 30
Killbuck	2. 20	Prairie	2. 20	Washington	2. 20
Knox	2. 10	Richland	2. 40		

HURON COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Bellevue	\$1. 40	Haftland	\$1. 60	Richmond	\$1. 50
Bronson	1. 30	Lyme	. 90	Ridgefield	1. 30
Clarksfield	1. 60	New Haven	1. 60	Ripley	1. 70
Fairfield	1. 60	New London	1. 80	Sherman	1. 40
Fitchville	1. 70	Norwalk	1. 40	Townsend	1. 50
Greenfield	1. 60	Norwich	1. 50	Wakeman	1. 70
Greenwich	1. 80	Peru	1. 50		

JACKSON COUNTY

Bloomfield	\$2. 40	Jackson	\$2. 30	Madison	\$2. 30
Coal	2. 30	Jefferson	2. 30	Milton	2. 10
Franklin	2. 30	Liberty	2. 50	Scioto	2. 50
Hamilton	2. 50	Lick	2. 30	Washington	2. 10

JEFFERSON COUNTY

Township	Lime stone	Blast furnace slag	Township	stone	Blastfurnace slag
Brush Creek	\$2. 80	\$1. 70	Saline	\$2. 60	\$1. 50
Cross Creek	2. 60	1. 20	Smithfield	2. 50	1. 60
Island Creek	2. 60	1. 20	Springfield	2. 80	1. 70
Knox	2. 60	1. 40	Steubenville	2. 60	1. 20
Mount Pleasant	2. 50	1. 70	Warren	2. 50	1. 50
Ross	2. 80	1. 60	Wayne	2. 50	1. 40
Salem	2. 60	1. 50	Wells	2. 60	1. 40

KNOX COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Berlin	\$2. 20	Howard	\$2. 50	Morgan	\$2. 40
Brown	2. 70	Jackson	2. 20	Morris	2. 20
Butler	2. 70	Jefferson	2. 80	Pike	2. 20
Clay	2. 30	Liberty	2. 30	Pleasant	2. 50
Clinton	2. 20	Middlebury	2. 20	Union	2. 80
College	2. 50	Milford	2. 30	Wayne	2. 20
Harrison	2. 20	Miller	2. 50		
Hilliar	2. 30	Monroe	2. 40		

LAKE COUNTY

Township	Lime stone	Blast furnace slag	Township	stone	Blastfurnace slag
Concord	\$2. 00	\$1. 40	Mentor	\$2. 00	\$1. 40
Kirtland	2. 00	1. 40	Painesville	2. 00	1. 40
Leroy	2. 00	1. 40	Perry	2. 00	1. 40
Madison	2. 20	1. 50	Willoughby	2. 20	1. 20

LAWRENCE COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Aid	\$1. 90	Lawrence	\$1. 80	Union	\$2. 20
Decatur	1. 90	Mason	2. 30	Upper	1. 60
Elizabeth	1. 50	Perry	2. 00	Washington	2. 30
Fayette	2. 30	Rome	2. 40	Windsor	2. 50
Hamilton	1. 60	Symmes	2. 10		

LICKING COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Bennington	\$2. 10	Harrison	\$2. 00	Mary Ann	\$2. 20
Bowling Green	1. 80	Hartford	2. 20	Monroe	1. 90
Burlington	2. 20	Hopewell	1. 80	Newark	2. 30
Eden	2. 20	Jersey	1. 90	Newton	2. 30
Etna	2. 00	Liberty	2. 00	Perry	2. 30
Fallsburg	2. 30	Licking	2. 10	St. Albans	2. 00
Franklin	1. 80	Lima	2. 00	Union	2. 20
Granville	2. 20	McKean	2. 20	Washington	2. 30
Hanover	2. 30	Madison	2. 10		

LOGAN COUNTY

Bloomfield	\$2. 10	McArthur	\$1. 70	Rushcreek	\$1. 30
Bokes Creek	1. 30	Miami	1. 80	Stokes	1. 70
Harrison	2. 00	Monroe	1. 20	Union	1. 90
Jefferson	1. 10	Perry	1. 00	Washington	1. 80
Lake	1. 20	Pleasant	2. 00	Zane	1. 10
Liberty	1. 30	Richland	1. 60		

LORAIN COUNTY

Amherst	\$1. 30	Columbia	\$1. 70	Penfield	\$1. 80
Avon Lake	1. 30	Eaton	1. 50	Pittsfield	1. 60
Black River	1. 30	Elyria	1. 30	Ridgeville	1. 40
Brighton	1. 80	Grafton	1. 60	Rochester	1. 80
Brownhelm	1. 40	Henrietta	1. 50	Russia	1. 50
Camden	1. 50	Huntington	1. 80	Sheffield	1. 30
Carlisle	1. 40	Lagrange	1. 40	Wellington	1. 80

LUCAS COUNTY

Adams	\$1. 40	Providence	\$1. 50	Sylvania	\$1. 60
Harding	1. 40	Richfield	1. 60	Toledo	1. 40
Jerusalem	2. 00	Spencer	1. 50	Washington	1. 70
Monclova	1. 40	Springfield	1. 40	Waterville	1. 40
Oregon	1. 80	Swanton	1. 40	Waynesfield	1. 40

MADISON COUNTY

Canaan	\$1. 40	Monroe	\$1. 90	Range	\$2. 10
Darby	1. 40	Oak Run	2. 00	Somerford	2. 00
Deer Creek	1. 90	Paint	2. 20	Stokes	2. 40
Fairfield	1. 80	Pike	1. 80	Union	2. 00
Jefferson	1. 50	Pleasant	1. 90		

MAHONING COUNTY

Township	Lime-stone	Blast fur-nace slag	Township	Lime-stone	Blast fur-nace slag
Austintown	\$2. 00	\$1. 30	Green	\$2. 10	\$1. 40
Beaver	2. 10	1. 30	Jackson	2. 20	1. 50
Berlin	2. 10	1. 40	Milton	2. 30	1. 60
Boardman	1. 90	1. 20	Poland	1. 80	1. 20
Canfield	2. 00	1. 30	Smith	2. 30	1. 60
Coitsville	1. 90	1. 10	Springfield	2. 00	1. 30
Ellsworth	2. 10	1. 40	Youngstown	2. 00	1. 20
Goshen	2. 20	1. 50			

MARION COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Big Island	\$1. 50	Green Camp	\$1. 50	Richland	\$1. 40
Bowling Green	1. 30	Marion	1. 30	Salt Rock	1. 40
Claridon	1. 40	Montgomery	1. 20	Scott	1. 30
Grand	1. 20	Pleasant	1. 40	Tully	1. 40
Grand Prairie	1. 40	Prospect	1. 60	Waldo	1. 60

MEDINA COUNTY

Brunswick	\$1. 90	Homer	\$2. 00	Sharon	\$2. 80
Chatham	2. 00	Lafayette	1. 80	Spencer	2. 00
Granger	1. 80	Litchfield	2. 00	Wadsworth	1. 80
Guilford	1. 80	Liverpool	2. 00	Westfield	1. 80
Harrisville	1. 90	Medina	1. 80	York	1. 80
Hinckley	2. 00	Montville	1. 80		

MEIGS COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Bedford-----	\$2. 50	Letart-----	\$2. 50	Salem-----	\$2. 40
Chester-----	2. 40	Olive-----	2. 60	Salisbury-----	2. 30
Columbia-----	2. 40	Orange-----	2. 60	Scipio-----	2. 50
Lebanon-----	2. 60	Rutland-----	2. 30	Sutton-----	2. 30

MERCER COUNTY

Black Creek-----	\$1. 20	Gibson-----	\$1. 30	Marion-----	\$1. 30
Butler-----	1. 10	Granville-----	1. 20	Recovery-----	1. 20
Center-----	1. 30	Hopewell-----	1. 10	Union-----	1. 20
Dublin-----	1. 10	Jefferson-----	1. 10	Washington-----	1. 10
Franklin-----	1. 20	Liberty-----	1. 20		

MIAMI COUNTY

Bethel-----	\$1. 80	Lost Creek-----	\$1. 60	Spring Creek-----	\$1. 50
Brown-----	1. 60	Monroe-----	1. 70	Staunton-----	1. 60
Concord-----	1. 60	Newberry-----	1. 60	Union-----	1. 80
Elizabeth-----	1. 70	Newton-----	1. 60	Washington-----	1. 80

MONROE COUNTY

Township	Lime-stone	Blast furnace slag	Sub-standard lime-stone	Township	Lime-stone	Blast furnace slag	Sub-standard lime-stone
Adams-----	\$2. 60	\$1. 80	\$1. 90	Ohio-----	\$2. 70	\$1. 90	\$2. 50
Benton-----	2. 50	1. 70	1. 90	Perry-----	2. 80	1. 90	1. 90
Bethel-----	2. 70	1. 90	1. 90	Salem-----	2. 80	1. 90	1. 90
Center-----	2. 30	1. 60	1. 70	Seneca-----	2. 70	1. 90	1. 70
Franklin-----	2. 70	1. 90	1. 60	Summit-----	2. 80	1. 90	2. 00
Green-----	2. 60	1. 80	2. 00	Sunsbury-----	2. 80	1. 90	2. 10
Jackson-----	2. 70	1. 90	2. 10	Switzerland-----	2. 80	1. 80	1. 90
Lee-----	2. 70	1. 90	2. 30	Washington-----	2. 70	1. 90	1. 70
Malaga-----	2. 60	1. 80	1. 90	Wayne-----	2. 70	1. 90	1. 70

MONTGOMERY COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Butler-----	\$1. 50	Jefferson-----	\$1. 60	Randolph-----	\$1. 50
Clay-----	1. 50	Mad River-----	1. 70	Van Buren-----	1. 80
German-----	1. 80	Madison-----	1. 50	Washington-----	1. 80
Harrison-----	1. 60	Miami-----	1. 80	Wayne-----	1. 80
Jackson-----	1. 60	Perry-----	1. 50		

MORGAN COUNTY

Bloom-----	\$2. 20	Malta-----	\$2. 40	Penn-----	\$2. 50
Bristol-----	2. 10	Manchester-----	2. 30	Union-----	2. 10
Center-----	2. 30	Marion-----	2. 50	Windsor-----	2. 50
Deerfield-----	2. 00	Meigsville-----	2. 40	York-----	1. 80
Homer-----	2. 40	Morgan-----	2. 40		

MORROW COUNTY

Bennington-----	\$2. 10	Gilead-----	\$1. 60	South Bloomfield--	\$2. 20
Canaan-----	1. 60	Harmony-----	1. 70	Troy-----	1. 80
Cardington-----	1. 40	Lincoln-----	2. 00	Washington-----	1. 50
Chester-----	1. 80	North Bloomfield--	1. 60	Westfield-----	1. 50
Congress-----	1. 80	Perry-----	1. 80		
Franklin-----	1. 80	Peru-----	1. 80		

MUSKINGUM COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Adams	\$1. 90	Jackson	\$1. 80	Rich Hill	\$1. 80
Blue Rock	1. 80	Jefferson	1. 80	Salem	1. 80
Brush Creek	1. 60	Licking	1. 80	Salt Creek	1. 80
Cass	1. 80	Madison	1. 90	Springfield	1. 50
Clay	1. 50	Meigs	2. 00	Union	1. 80
Falls	1. 70	Monroe	2. 00	Washington	1. 60
Harrison	1. 80	Muskingum	1. 70	Wayne	1. 70
Highland	1. 80	Newton	1. 40		
Hopewell	1. 60	Perry	1. 70		

NOBLE COUNTY

Beaver	\$2. 10	Enoch	\$2. 10	Olive	\$1. 80
Brookfield	1. 70	Jackson	1. 80	Seneca	2. 30
Buffalo	2. 10	Jefferson	2. 10	Sharon	1. 80
Center	2. 10	Marion	2. 00	Stock	2. 00
Elk	2. 30	Noble	1. 80	Wayne	2. 30

OTTAWA COUNTY

Allen	\$1. 50	Catawba Island	\$2. 10	Harris	\$1. 20
Bay	1. 70	Clay	1. 30	Portage	2. 00
Benton	1. 40	Danbury	2. 20	Put-in Bay	1. 90
Carroll	1. 80	Erie	1. 80	Salem	1. 50

PAULDING COUNTY

Auglaize	\$1. 50	Carryall	\$2. 20	Jackson	\$1. 50
Benton	1. 80	Crane	2. 00	Latty	1. 30
Blue Creek	1. 50	Emerald	1. 80	Paulding	1. 80
Brown	1. 30	Harrison	2. 00	Washington	1. 10

PERRY COUNTY

Bearfield	\$1. 80	Jackson	\$2. 00	Pleasant	\$2. 00
Clayton	1. 80	Madison	1. 80	Reading	1. 80
Coal	2. 20	Monday Creek	2. 20	Salt Lick	2. 00
Harrison	1. 60	Monroe	2. 20	Thorn	1. 80
Hopewell	1. 80	Pike	1. 80		

PICKAWAY COUNTY

Circleville	\$2. 00	Madison	\$1. 90	Salt Creek	\$2. 10
Darby	1. 70	Monroe	1. 90	Scioto	1. 70
Deer Creek	2. 10	Muhlenburg	1. 80	Walnut	2. 10
Harrison	2. 10	Perry	1. 90	Washington	2. 10
Jackson	2. 00	Pickaway	2. 10	Wayne	2. 10

PIKE COUNTY

Beaver	\$2. 30	Mifflin	\$1. 60	Scioto	\$2. 30
Benton	2. 10	Newton	2. 20	Seal	2. 20
Camp Creek	1. 60	Pebble	2. 20	Sunfish	2. 20
Jackson	2. 60	Peepee	2. 30	Union	2. 40
Marion	2. 60	Perry	1. 90		

PORTAGE COUNTY

Township	Lime stone	Blast fur-nace slag	Township	Lime-stone	Blastfur-nace slag
Atwater	\$2. 10	\$1. 80	Nelson	\$2. 30	\$1. 70
Aurora	2. 30	1. 60	Palmyra	1. 90	1. 60
Brimfield	1. 90	1. 70	Paris	2. 30	2. 00
Charlestown	2. 10	1. 90	Randolph	1. 90	1. 90
Deerfield	2. 20	1. 50	Ravenna	1. 90	1. 90
Edinburg	2. 10	1. 90	Rootstown	1. 90	1. 90
Franklin	1. 90	1. 70	Shalersville	2. 30	1. 90
Freedom	2. 30	1. 90	Streetsboro	1. 90	1. 70
Hiram	2. 30	1. 70	Suffield	1. 90	1. 90
Mantua	2. 30	1. 70	Windham	2. 30	1. 60

PREBLE COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Dixon	\$1. 90	Israel	\$2. 00	Monroe	\$1. 60
Gasper	1. 80	Jackson	1. 80	Somers	1. 90
Gratis	1. 90	Jefferson	1. 80	Twin	1. 60
Harrison	1. 50	Lanier	1. 70	Washington	1. 70

PUTNAM COUNTY

Blanchard	\$1. 40	Monroe	\$1. 20	Pleasant	\$1. 40
Greensburg	1. 20	Monterey	1. 30	Riley	1. 20
Jackson	1. 20	Ottawa	1. 40	Sugar Creek	1. 20
Jennings	1. 30	Palmer	1. 30	Union	1. 20
Liberty	1. 50	Perry	1. 10	Van Buren	1. 80

RICHLAND COUNTY

Blooming Grove	\$2. 00	Madison	\$1. 80	Sharon	\$1. 60
Butler	2. 10	Mifflin	2. 10	Springfield	1. 70
Cass	1. 90	Monroe	2. 20	Troy	1. 90
Franklin	1. 80	Perry	2. 10	Washington	2. 10
Jackson	1. 70	Plymouth	2. 10	Weller	2. 10
Jefferson	2. 20	Sandusky	1. 60	Worthington	2. 30

ROSS COUNTY

Buckskin	\$1. 90	Harrison	\$1. 80	Scioto	\$1. 80
Colerain	1. 90	Huntington	2. 00	Springfield	1. 80
Concord	1. 90	Jefferson	2. 00	Twin	1. 90
Deerfield	1. 90	Liberty	1. 90	Union	1. 90
Franklin	1. 90	Paint	1. 90		
Green	1. 90	Paxton	1. 90		

SANDUSKY COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Ballville	\$1. 50	Rice	\$1. 60	Townsend	\$1. 50
Green Creek	1. 50	Riley	1. 60	Washington	1. 30
Jackson	1. 50	Sandusky	1. 50	Woodville	1. 30
Madison	1. 30	Scott	1. 50	York	1. 30

SCIOTO COUNTY

Township	Lime-stone	Blast fur-nace slag	Township	Lime-stone	Blast fur-nace slag
Bloom	\$1. 60	\$1. 10	Nile	\$1. 90	\$1. 30
Brush Creek	1. 60	1. 10	Porter	1. 80	1. 20
Clay	2. 20	1. 30	Rarden	1. 60	1. 10
Green	1. 80	1. 30	Rush	1. 70	1. 20
Harrison	1. 70	1. 20	Union	1. 70	1. 20
Jefferson	2. 10	1. 30	Valley	2. 20	1. 50
Madison	1. 70	1. 20	Vernon	1. 70	1. 20
Morgan	1. 80	1. 30	Washington	1. 90	1. 20

SENECA COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Adams	\$1. 50	Hopewell	\$1. 40	Reed	\$1. 50
Big Spring	1. 60	Jackson	1. 60	Scipio	1. 30
Bloom	1. 30	Liberty	1. 40	Seneca	1. 50
Clinton	1. 50	Loudon	1. 50	Thompson	1. 40
Eden	1. 60	Pleasant	1. 50	Venice	1. 40

SHELBY COUNTY

Clinton	\$2. 00	Jackson	\$2. 20	Salem	\$2. 10
Cynthian	1. 90	Loramie	1. 80	Turtle Creek	1. 90
Dinsmore	2. 20	McLean	2. 10	Van Buren	2. 20
Franklin	2. 10	Orange	1. 90	Washington	1. 80
Green	1. 80	Perry	2. 00		

STARK COUNTY

Township	Lime-stone	Blast furnace slag	Township	Lime-stone	Blast furnace slag
Bethlehem-----	\$2. 00	\$1. 40	Paris-----	\$2. 20	\$1. 50
Canton-----	2. 00	1. 40	Perry-----	2. 00	1. 40
Jackson-----	2. 00	1. 40	Pike-----	2. 00	1. 40
Lake-----	2. 10	1. 40	Plain-----	2. 10	1. 40
Lawrence-----	2. 00	1. 40	Sandy-----	2. 00	1. 40
Lexington-----	2. 00	1. 40	Sugar Creek-----	2. 00	1. 40
Marlboro-----	2. 00	1. 40	Tuscarawas-----	2. 00	1. 40
Nimishillen-----	2. 00	1. 40	Washington-----	2. 10	1. 40
Osnaburg-----	2. 20	1. 50			

SUMMIT COUNTY

Township	Lime-stone	Blast furnace slag	Township	Lime-stone	Blast furnace slag
Bath-----	\$1. 90	\$1. 30	Northfield-----	\$1. 90	\$1. 30
Boston-----	1. 90	1. 30	Norton-----	1. 80	1. 20
Copley-----	1. 80	1. 20	Portage-----	1. 80	1. 20
Coventry-----	1. 80	1. 20	Richfield-----	1. 90	1. 30
Franklin-----	1. 80	1. 20	Springfield-----	1. 80	1. 20
Green-----	1. 80	1. 20	Stow-----	1. 90	1. 30
Hudson-----	1. 90	1. 30	Tallmadge-----	1. 80	1. 20
Northampton-----	1. 90	1. 30	Twinsburg-----	1. 90	1. 30

TRUMBULL COUNTY

Township	Lime stone	Blast furnace slag	Township	Lime-stone	Blast furnace slag
Bazetta-----	\$1. 90	\$1. 30	Johnston-----	\$1. 80	\$1. 20
Bloomfield-----	2. 00	1. 40	Kinsman-----	2. 00	1. 40
Braceville-----	2. 00	1. 40	Liberty-----	1. 90	1. 30
Bristol-----	1. 90	1. 30	Lordstown-----	2. 00	1. 40
Brookfield-----	1. 90	1. 30	Mecca-----	1. 80	1. 20
Champion-----	1. 90	1. 30	Mesopotamia-----	2. 00	1. 40
Farmington-----	2. 00	1. 40	Newton-----	2. 00	1. 40
Fowler-----	1. 80	1. 20	Southington-----	2. 00	1. 40
Greene-----	2. 00	1. 40	Vernon-----	2. 00	1. 40
Gustavus-----	2. 00	1. 40	Vienna-----	2. 00	1. 40
Hartford-----	1. 90	1. 30	Warren-----	2. 10	1. 40
Howland-----	1. 80	1. 20	Weathersfield-----	1. 90	1. 30
Hubbard-----	1. 80	1. 20			

TUSCARAWAS COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Auburn-----	\$2. 20	Lawrence-----	\$2. 20	Union-----	\$2. 20
Bucks-----	2. 30	Mill-----	2. 20	Warren-----	2. 20
Clay-----	2. 20	Oxford-----	2. 30	Warwick-----	2. 20
Dover-----	2. 20	Perry-----	2. 50	Washington-----	2. 40
Fairfield-----	2. 20	Rush-----	2. 30	Wayne-----	2. 20
Franklin-----	2. 20	Salem-----	2. 20	York-----	2. 20
Goshen-----	2. 10	Sandy-----	2. 20		
Jefferson-----	2. 20	Sugar Creek-----	2. 20		

UNION COUNTY

Allen-----	\$1. 30	Jerome-----	\$1. 10	Taylor-----	\$1. 40
Claibourne-----	1. 50	Leesburg-----	1. 30	Union-----	1. 40
Darby-----	1. 20	Liberty-----	1. 30	Washington-----	1. 50
Dover-----	1. 20	Mill Creek-----	1. 10	York-----	1. 40
Jackson-----	1. 80	Paris-----	1. 20		

VAN WERT COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Harrison	\$1. 70	Liberty	\$1. 20	Union	\$1. 60
Hoaglin	1. 40	Pleasant	1. 40	Washington	1. 30
Jackson	1. 40	Ridge	1. 30	Willshire	1. 20
Jennings	1. 10	Tully	1. 80	York	1. 20

VINTON COUNTY

Brown	\$2. 00	Harrison	\$2. 00	Richland	\$2. 00
Clinton	2. 00	Jackson	2. 00	Swan	2. 00
Eagle	2. 00	Knox	2. 00	Vinton	2. 00
Elk	1. 90	Madison	1. 90	Wilkesville	2. 00

WARREN COUNTY

Clear Creek	\$1. 80	Harlan	\$1. 80	Union	\$1. 70
Deerfield	1. 70	Massie	1. 50	Washington	1. 60
Franklin	1. 90	Salem	1. 70	Wayne	1. 60
Hamilton	1. 80	Turtle Creek	1. 90		

WASHINGTON COUNTY

Adams	\$2. 30	Grandview	\$2. 60	Palmer	\$2. 40
Aurelius	2. 10	Independence	2. 60	Salem	2. 30
Barlow	2. 50	Lawrence	2. 50	Warren	2. 30
Belpre	2. 30	Liberty	2. 50	Waterford	2. 30
Decatur	2. 30	Ludlow	2. 50	Watertown	2. 40
Dunham	2. 40	Marietta	2. 30	Wesley	2. 40
Fairfield	2. 40	Muskingum	2. 30		
Fearing	2. 30	Newport	2. 50		

WAYNE COUNTY

Township	Lime stone	Blast furnace slag	Township	stone	Blastfurnace slag
Baughman	\$2. 30	\$1. 60	Green	\$2. 30	\$1. 60
Canaan	2. 30	1. 60	Milton	1. 90	1. 30
Chester	2. 00	1. 40	Paint	2. 30	1. 60
Chippewa	1. 90	1. 30	Plain	2. 20	1. 50
Clinton	2. 20	1. 50	Salt Creek	2. 30	1. 60
Congress	2. 30	1. 60	Sugar Creek	2. 30	1. 60
East Union	2. 30	1. 60	Wayne	2. 00	1. 40
Franklin	2. 30	1. 60	Wooster	2. 30	1. 60

WILLIAMS COUNTY

Township	Limestone
All townships	\$2. 50

WOOD COUNTY

Township	Limestone	Township	Limestone	Township	Limestone
Bloom	\$1. 40	Liberty	\$1. 10	Portage	\$1. 10
Center	1. 10	Middleton	1. 30	Ross	1. 60
Freedom	1. 30	Milton	1. 10	Troy	1. 50
Grand Rapids	1. 10	Montgomery	1. 40	Washington	1. 30
Henry	1. 40	Perry	1. 40	Webster	1. 30
Jackson	1. 20	Perrysburg	1. 40	Weston	1. 10
Lake	1. 60	Plain	1. 10		

WYANDOT COUNTY

Antrim	\$1. 40	Marseilles	\$1. 40	Salem	\$1. 40
Crane	1. 40	Mifflin	1. 40	Sycamore	1. 40
Crawford	1. 40	Pitt	1. 40	Tymochtee	1. 40
Eden	1. 40	Richland	1. 40		
Jackson	1. 40	Ridge	1. 40		

UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL ADJUSTMENT AGENCY

Washington, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

NORTH CENTRAL REGION

A SOUTH DAKOTA COMMITTEEMAN'S PRACTICE HAND-BOOK

The 1945 Farm Program is designed to assist the farmers of South Dakota to the fullest possible extent in protecting their soils against damage from erosion and loss of fertility.

The county committee, with the approval of the State committee, may designate those practices which will be approved for payment in the county in order that the farm allowance will be used most effectively to bring about increased conservation, or the county committee may specify for any group of farms a proportion of the farm allowance which may be earned only by carrying out certain designated practices which are very much needed.

A. CONSERVATION PRACTICE ALLOWANCE

The practice allowance is the maximum amount of payment that may be made for carrying out approved conservation practices.

(1) Except as limited by the practice provisions the allowance for the following special practices shall be the extent of such practices times the approved rates: Contouring Intertilled Crops, Contour Seeding, Establishing Contour Stripcropping, Field Stripcropping, Terracing, Establishing Sod Waterways, Contouring Pastures, Contour Listing, Spreader Ditches, Prairie Dog Control, Prevention of Wind Erosion by Mulching, Harvesting Hayseed, Development of Springs and Seeps, and Fireguards.

(2) The allowance for regular practices shall be the sum of the following:

- (a) 50 cents times the acreage classified as cropland.
- (b) An amount for noncrop open pasture determined as follows:
 - (1) For farms having 2,000 acres or less of noncrop open pasture, multiply the acreage of noncrop open pasture by the larger of the county rate or 8 cents.
 - (2) For farms having over 2,000 acres of noncrop open pasture, the allowance will be the larger of \$160 or the acreage of noncrop open pasture times the county rate.
- (c) 50 cents times the acreage classified as commercial orchards.

B. CONSERVATION PRACTICES

The practices available for 1945 are those which are most needed in order to conserve and improve soil fertility, improve pasture land, prevent wind and water erosion, and promote conservation and better

utilization of water. Assistance will be available through the conservation practice allowance for carrying out the following practices during the program year January 1, 1945, through December 31, 1945. To qualify for payment, each practice must be carried out in accordance with the specifications for that practice and be in keeping with good farming practices for the locality.

The total extent of any practice performed shall be reduced for purposes of payment by the percentage of the total cost of the practice which the county committee determines was furnished by a State or Federal agency. The extent of any practice shall not be reduced because a portion of the cost is represented by materials, or services furnished by the A. A. A., or equipment furnished by S. C. S., or materials or services furnished by an agency of a State or political subdivision thereof to another agency or political subdivision of the same State, or trees purchased from a Clark-McNary Cooperative State Nursery.

No payment will be made for the following practices on farms or ranching units having 640 acres or more of noncrop open pasture unless an approved grazing management plan, which must be filed with the county committee, has been carried out on the farm or ranching unit: Dams for Livestock Water, Rotation Grazing, Development of Springs and Seeps, Wells, Fireguards, Prairie Dog Control, Seeding of Depleted Pasture, and Mowing.

All **special practices** listed under this section are designated by asterisks (**). Practices not designated as special practices will be considered as **regular practices**.

(1) ****Contouring intertilled crops.**—Contour farming of intertilled crops, provided the crop stubble is left standing or a good stand of a winter cover crop is obtained. Seeding and cultivation shall be performed parallel to the base contour lines. Base contour lines shall reasonably conform with the true contour, and shall be spaced not more than 3 feet apart vertically or 300 feet horizontally. Such base lines shall be permanently marked. If there is danger of erosion in waterways, such waterways must be permanently established in sod. No credit will be given for this practice for any acreage qualifying under the Contour Stripcropping practices.—**\$1 per acre.**

(2) ****Contour seeding.**—Contour seeding, by drilling, of small grain crops, sorghums, millet, and soybeans. Seeding and cultivation shall be performed parallel to the base contour lines. Base contour lines shall reasonably conform with the true contour and shall be spaced not more than 3 feet apart vertically or 300 feet horizontally. Such base lines shall be permanently marked. If there is danger of erosion in waterways, such waterways must be permanently established in sod. No credit will be given for this practice for any acreage qualifying under the Contour Stripcropping practices. All tillage operations in connection with the seeding must be on the contour.—**\$0.50 per acre.**

(3) ****Establishing contour stripcropping.**—By growing alternate strips of intertilled crops or fallow with sown, close-drilled, or sod crops, on the contour; *Provided*, (1) The strips are approximately the same width; (2) the strips are not less than 3 rods nor more than 20 rods in width; and (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained. Seeding and cultivation

shall be performed parallel to the base contour lines. Base contour lines shall reasonably conform with the true contour and shall be spaced not more than 3 feet apart vertically or 300 feet horizontally. Such base lines shall be permanently marked. Buffer strips must be at least 1 rod in width.—**\$2.50 per acre.**

(4) **Maintaining contour stripcropping.**—Maintaining contour stripcropping previously established, by growing alternate strips of intertilled crops or fallow with sown, close-drilled, or sod crops, on the contour: *Provided*, (1) The strips are approximately the same width; (2) the strips are not less than 3 rods nor more than 20 rods in width; and (3) the crop stubble is left standing or a good stand of a winter cover crop is obtained. When in the normal course of crop rotation it is necessary to have two adjacent strips of sown, close-drilled, or sod crops, payment will be made for the entire field. Seeding and cultivation shall be performed parallel to the base contour lines. Base contour lines shall reasonably conform with the true contour and shall be spaced not more than 3 feet apart vertically or 300 feet horizontally. Such base lines shall be permanently marked. Buffer strips must be at least 1 rod in width.—**\$1 per acre.**

(5) ****Field stripcropping not on the contour.**—Growing alternate strips of intertilled crops or fallow with sown, close-drilled, or sod crops: *Provided*, (1) The strips are approximately the same width; (2) the strips are not less than 3 rods nor more than 20 rods in width; and (3) the crop stubble is left standing, a subsurface tillage operation is performed, or a good stand of a winter cover crop is obtained. On excessive slopes the strips shall be across the general slope of the land. When in the normal course of crop rotation it is necessary to have two adjacent strips of sown, close-drilled or sod crops, payment will be made for the entire field:

(a) Where fallow strips are not used.—**\$0.50 per acre.**

(b) Where fallow strips are used.—**\$0.85 per acre.**

(6) ****Contour listing.**—Solid contour listing on cropland, except when carried out on protected summer fallow acreage or as part of a seeding operation.—**\$0.30 per acre.**

(7) ****Contouring pastures.**—Construction of contour furrows on noncrop open pasture land. Payment will be made only if (1) the area contoured has an average slope of less than 8 percent; (2) contour furrows are dammed sufficiently to prevent gullying; and (3) the distance between furrows does not exceed 25 feet, with the furrows proportionately closer together as the degree of slope increases.—**\$0.25 per 1,000 lin. ft.**

(8) **Rip-rap.**—The construction of rip-rap of rock, timber, cribs, willow mats, log booms, a combination of this material or other suitable material, along water courses for the control of erosion and protection of farmland. Rip-rap of the above materials may be used as head walls at gully terminals or check dams or on the face of dams.—**\$0.50 per sq. yd. of exposed surface.**

(9) ****Establishing sod waterways.**—Establishing a permanent sod waterway on any cropland where a permanent vegetative cover is necessary in a waterway channel or terrace outlet, or in cultivated orchards. The channel of the waterway must be sufficiently wide to carry the run-off from the drainage area, and must be at least one rod in width at the narrowest point. The channel must contain

adapted sod forming perennial grasses, and a good vegetative growth must be obtained.—**\$0.75 per 1,000 sq. ft.**

(10) **Maintaining sod waterways.**—Maintaining an established sod waterway at least one rod wide at the narrowest point in a field which is devoted to intertilled crops, by lifting the plow when the waterway is crossed, mowing, sodding or reseeding breaks in the sod, protecting from damage by livestock, and by use of other practices necessary to maintain a good vegetative cover. No credit will be given for this practice for any waterway for which credit is given under Practice (9).—**\$0.25 per 1,000 sq. ft.**

(11) **Protecting summer fallow.**—Protecting summer fallowed acreage from wind and water erosion by contour listing, pit cultivation, contour cultivation with a shovel-type implement, cultivation with a rod weeder, or any other implement approved by the county committee, and incorporating stubble and straw into the surface soil. The first tillage operation must be performed by the date set by the State committee and must be followed at such intervals and with such implements as will control weed growth, create a firm seed bed and maintain a cloddy, trashy, or pitted surface. No credit will be given for this practice for any acreage qualifying under the practices for Stripcropping. No credit will be given for this practice if the acreage to be summer fallowed has been burned.—**\$1.25 per acre.**

(12) ****Standard terraces.**—With the prior approval of the county committee, construction of standard terraces for which proper outlets are provided. The terraces should be constructed to conform with specifications for standard terraces for the area as recommended by the U. S. Department of Agriculture.—**\$1 per 100 lin. ft.**

(13) **Seeding of depleted pasture on land designated as non-crop open pasture.**—

(a) Seedings consisting solely of timothy, red top, sweet clover, or a mixture of such crops.—**\$0.10 per lb.**

(b) Seedings consisting of adapted pasture grasses, with perennial or biennial legumes (except sweet clover), or approved pasture mixtures.—**\$0.25 per lb.**

(14) **Mowing weeds.**—Mowing weeds on pasture land a sufficient number of times during the growing season to prevent weed seed formation and improve the stand of grasses or legumes, and by carrying out such other pasture improvement practices as the county committee may require. No hay or seed crop may be taken from the acreage.—**\$0.50 per mowing per acre.**

(15) **Renovation of perennial grasses or legumes.**—By disking or springtoothing at such periods and in such a manner as to insure a thicker stand and a better growth of the grasses and legumes. This operation should leave the soil in a suitable condition for partial reseeding if necessary.—**\$0.50 per acre.**

(16) **Rotation grazing.**—(Applicable only on farms or ranching units having 640 acres or more of noncrop open pasture land.) Natural reseeding of noncrop open pasture normally grazed during the grazing season by withholding 25 percent of the noncrop open pasture on the ranch or farm from grazing for the period May 15, 1945 to August 31, 1945. The area to be kept free from grazing must be fenced, and the fence maintained sufficiently to prevent entry of livestock. The remaining noncrop open pasture in the operating unit

must not be pastured to such an extent that it will decrease the stand of grass or injure the forage, tree growth, or watershed.

This practice shall not be approved on grassland which is included within the same boundary with cropland. An area which does not have an available supply of stock water will not be considered normal grazing land. This practice shall not be approved on an area deferred in 1943 or 1944 unless nongrazing of such area again in 1945 would be of material benefit.

This practice shall not be approved for any operator unless he has sufficient livestock to be considered a bona fide livestock operator. If any hay is cut within the boundaries of the deferred area, there will be deducted from the deferred area the acreage on which hay is cut. The operator must submit to the county committee in writing the designation of the nongrazing area before starting the practice.

The rate of payment will be 50 percent of the practice allowance computed with respect to noncrop open pasture, except that if grazing is deferred on less than 25 percent of the noncrop open pasture, a proportionate payment will be made.

(17) Dams for livestock water or erosion control.—Construction of earthen, concrete, or masonry dams and reservoirs, including enlargement of inadequate earthen structures. Earthen dams to be used for livestock water must be staked out for prior approval by the county committee before starting construction of the dam. Such a dam must then be constructed with minimum slopes of 3 to 1 on the upstream side and 2 to 1 on the downstream side, and must have a crown width of one foot for every foot in height of fill, but not exceeding 10 feet. Dams 10 feet or less in height must have a minimum free board of 3 feet. Dams over 10 feet in height must have a minimum free board of 4 feet. Spillways must be of sufficient width to carry the expected overflow from the drainage area. Trickle tubes must be installed where necessary.

Fills for the repair of broken dams constructed under previous programs should not be approved for payment in 1945. However, the county committee may require that such dams be repaired before other practices are approved for payment. Masonry dams must be constructed in a durable and workmanlike manner and must have a sufficiently large weir and a spillway adequate to carry the expected overflow from the drainage area:

- (a) For earth or other material moved.—\$0.10 per cu. yd.
- (b) For concrete or masonry used in the development.—\$9 per cu. yd.
- (c) For rubble masonry.—\$6 per cu. yd.
- (d) For commercially treated lumber.—\$0.05 per bd. ft.
- (e) For 24-in. metal culvert or the diameter equivalent.—\$2 per lin. ft.
- (f) For 24-in. concrete or glazed clay tile or its diameter equivalent.—\$1.50 per lin. ft.

(18) **Harvesting hay seed.—Harvesting for seed an acreage of alfalfa, red clover, alsike clover, white clover, sweet clover, brome-grass, gramma grasses, buffalo grass, bluestems, and featherbunch grass. To qualify for payment, the following minimum yield per acre must be obtained: for buffalo grass—25 lbs. of seed in the burr; for gramma grasses, bluestems, and featherbunch grass—40 lbs. uncleaned seed. Credit will not be given for more than 25 acres per farm.—\$3.50 per acre.

(19) **Weed control.**—With prior approval of the county committee, eradication or effective control of seriously infested plots of the following perennial noxious weeds: **creeping Jenny, leafy spurge, Canada thistle, and perennial sow thistle.** Payment for this practice may be approved only on farms where approved weed-control measures are being carried out on all adjacent infested farms and contiguous land, where the infestation is limited to a single farm, or where the county committee determines that there is no likelihood of reinfestation from adjacent or contiguous land:

- (a) By use of sodium chlorate or other chemicals.—**\$0.10 per lb.**
- (b) By clean tillage.—**\$10.00 per acre.**
- (c) By clean tillage of land which was clean-tilled under the weed control practice in 1944 and was followed in the fall of 1944 by winter rye, and 1945 tillage operations were begun immediately after the 1945 rye crop was removed.—**\$2.50 per acre.**

(20) **Go-down crops.**—Protecting the soil from wind and water erosion by the use of go-down crops, provided a good vegetative growth is obtained and the crop is not pastured or harvested for hay, grain, seed, or forage, or otherwise taken from the land. Credit will be given for this practice only on land where the go-down crops are necessary for the protection of adjacent crop land. The following crops will qualify: Sudan grass, millet, sweet sorghums, or winter rye seeded in the fall of 1944 at the normal seeding rate for grain. No payment will be made for a rye go-down crop if payment was made for such acreage under the 1944 winter cover crop practice.—**\$1.50 per acre.**

(21) **Green manure crops.**—Plowing under, or subsurface tilling of a good stand and a good growth of the following crops. If the land is subject to erosion and the green manure is plowed down in the fall, the green manure crop must be followed by a winter cover crop.—**\$1.50 per acre.**

- (a) Sweet clover.
- (b) Winter rye seeded in the fall of 1944 except that acreage for which a 1944 winter cover crop practice payment was made.

(22) **Farm drainage ditches.**—With prior approval of the county committee, construction or cleaning out of farm ditches (except ditches constructed or maintained by a drainage district), including lateral and lead ditches, for which proper outlets are provided, and adequate provision is made for entrance of water into and out of the ditches. The ditches must have adequate capacity to remove the normal excess surface water. When ditches are constructed under an approved Pooling Agreement, the \$5 per 100 lin. ft. limitation may be removed.—**\$0.08 per cu. yd. of material moved, but not in excess of \$5 per 100 lin. ft.**

(23) **Ditches for tile drainage.**—With prior approval of the county committee, excavation for the purpose of installation of tile drains, provided the size of tile, outlets, and gradient meet the specifications for standard drainage as recommended by the U. S. Department of Agriculture; not less than 75 percent of the area to be drained is cropland, and no part of the tile lines is to be used for any other purpose than the drainage of agricultural land. Payment is limited to tile ditches constructed for drainage of swales, wet spots, and irregular wet margins of cultivated fields.—**\$0.40 per rod.**

(24) **Establishment or reorganization of the farm irrigation system.**—With prior approval of the county committee, establishment or reorganization of the farm irrigation system in accordance with a written plan:

(a) **Establishment:** For earth moved in leveling cropland for irrigation.—**\$0.08 per cu. yd.**, but not in excess of **\$5.00 per acre.**

(b) **Reorganization:** For earth moved in the construction or reorganization of permanent laterals, dikes, borders, or leveling.—**\$0.08 per cu. yd.**, but not in excess of **\$8.00 per acre.**

(25) **Listing for erosion control.**—Listing unprotected cropland at right angles to the prevailing winds, except when carried out on protected summer fallow acreage or as part of a seeding operation.—**\$0.30 per acre.**

(26) ****Spreader ditches.**—With the prior approval of the county committee, construction of ditches or dikes for the diversion and spreading of flood water on cropland, pasture land, or hay land. The gradient of the ditches must be such that there will be no erosion hazards.—**\$0.08 per cu. yd. of material moved**, but not in excess of **\$5.00 per 100 lin. ft.**

(27) ****Prevention of wind erosion by use of straw or hay.**—Covering blow-outs with straw or hay to prevent wind erosion and to encourage revegetation.—**\$1 per ton of material used.**

(28) **Wells.**—(Applicable only on farms having more than 640 acres of noncrop open pasture.) With prior approval of the county committee, drilling or digging wells, or deepening wells by drilling or digging, which have failed to furnish sufficient water for livestock: *Provided* (1) A windmill or power plant is installed, except where an adequate flow is obtained without mechanical means; (2) the water is conveyed to a tank or storage reservoir; (3) the well is not developed at or for the use of ranch or farm headquarters. The operator must provide a well-driller's statement showing the depth of the well and dimensions of the casing. A representative of the State committee must give final approval of all well sites and water developments:

(a) Wells (except artesian) with casings not less than 4 inches in diameter.—**\$2 per ft.**

(b) Wells with casings less than 4 inches in diameter, or artesian wells.—**\$1 per ft.**

(29) ****Development of springs and seeps.**—With prior approval of the county committee, development of springs and seeps by excavation at the source, and making a supply of water available for livestock: *Provided*, (1) That the source is protected from trampling and at least 20 cubic feet of available water storage is provided, and (2) that the total cost of the development is not less than \$20.00. The minimum payment for a single development under this practice shall be \$15.00, and the maximum payment shall be \$200. This practice is applicable only where it contributes to a better distribution of livestock grazing. No payment will be made under this practice for any storage for which payment is made under the practice for Dams for Livestock Water.

(a) Soil or gravel.—**\$0.30 per cu. ft.**

(b) Rock formation.—**\$0.50 per cu. ft.**

(30) ****Fireguards.**—With prior approval of the county committee, establishment on noncrop open pasture of fireguards not less than

10 feet in width by plowing furrows or otherwise exposing the mineral soil. Plowing not less than 2 furrows on each side of a strip not less than 20 feet wide from which inflammable vegetation is removed will also qualify. Payment will not be made if any fireguard is used in connection with controlled burning.—**\$0.12 per 100 lin. ft.**

(31) **Tillage of cropland for water conservation and control of annual weeds.**—Cultivation of cropland beginning as soon as possible after the harvest of a small grain crop, but not later than the date set by the State committee, with implements that will leave the crop residue on the surface. Tillage operations should be on the contour where necessary to control erosion and performed frequently enough to control annual weeds. No credit will be given for this practice if the land is devoted to a 1945 fall seeded crop.—**\$0.35 per acre.**

(32) ****Prairie dog control.**—Control of prairie dogs on noncrop open pasture by use of poison bait. The bait must be prepared in accordance with approved formulas for the locality. If the application of poison does not effectively control the prairie dogs, follow-up treatments must be used.—**\$0.10 per lb. of poison bait used.**

(33) **Tree planting.**—Prior approval of the site and of the variety of the tree to be planted must be obtained from the county committee. The plantings must be made in accordance with good tree culture and the new planting must be protected from fire and grazing. The following varieties of trees may be approved for payment provided they are adapted to the particular soil type, climatic conditions, moisture conditions, and site: Russian olive, American elm, Chinese elm, cottonwood, box elder, red cedar, green ash, ponderosa pine, Colorado blue spruce, Black Hills spruce, and Scotch pine.

(a) Planting for forest purposes or gully control.—**\$1.00 per 100 trees**, but not in excess of **\$7.50 per acre.**

(b) Planting for windbreak purposes.—**\$2.00 per 100 trees.**

(34) **Tree maintenance.**—Maintaining for forest purposes, a good stand of at least 300 trees per acre, or for windbreak purposes, a good stand of at least 250 trees per acre, which have been planted between January 1, 1940, and January 1, 1945, by cultivating sufficiently to control other vegetation, protecting from fire and grazing and replanting if necessary.—**\$3.00 per acre.**

(35) **Fertilizers.**—Application of **superphosphate, rock phosphate, or potash**, when such material is applied (1) to **old stands** of biennial and perennial legumes, perennial grasses, or permanent pasture, provided the acreage on which such applications are made is not devoted to or cultivated for any other crop during the program year; (2) to **new seedings** of biennial or perennial legumes, perennial grasses, winter legumes, lespedeza, or permanent pasture (no credit will be given for materials furnished by the Agricultural Adjustment Agency applied to a seeding if wheat is used as a nurse crop); and (3) to **green manure crops** in orchards:

(a) Application of superphosphate or defluorinated phosphate rock.—**\$5.75 per 100 lbs. of available P_2O_5 .**

(b) Application of rock phosphate.—**\$0.60 per 100 lbs.**

(c) Application of potash.—**\$3.50 per 100 lbs. of available K_2O .**

C. DEFINITIONS

(1) **Farm.**—Farm means all adjacent or nearby farm land under the same ownership which is operated by one person, including also:

(a) Any other adjacent or nearby farm land which the county committee, in accordance with instructions issued by the Agricultural Adjustment Agency, determines is operated by the same person as part of the same unit with respect to the rotation of crops and with workstock, farm machinery, and labor substantially separate from that for any other lands; and

(b) Any field-rented tract (whether operated by the same or another person) which, together with any other land included in the farm, constitutes a unit with respect to the rotation of crops.

(c) A farm shall be regarded as located in the county in which the principal dwelling is situated, or if there is no dwelling thereon, it shall be regarded as located in the county in which the major portion of the farm is located.

(2) **Cropland.**—Cropland means farm land which in 1944 was tilled or was in regular rotation, excluding any land which constitutes, or will constitute if such tillage is continued, a wind-erosion hazard to the community, and excluding also, any land in commercial orchards.

(3) **Noncrop Open Pasture Land.**—Noncrop open pasture land means pasture land (other than rotation pasture land) on which the predominant growth is forage suitable for grazing and on which the number or grouping of any trees or shrubs is such that the land could not fairly be considered as woodland.

(4) **Commercial Orchards.**—Commercial orchards means the acreage on the farm in planted or cultivated fruit trees, nut trees, vineyards, hops, or bush fruits (excluding nonbearing orchards and vineyards), from which the major portions of the production is normally sold.

(5) **Person.**—Person means an individual, partnership, association, corporation, estate, or trust, or other business enterprise or other legal entity, and wherever applicable, a State, a political subdivision of a State, or any agency thereof.

(6) **Producer.**—Producer means any person who as landlord, tenant, or sharecropper, participates in the operation of a farm.

D. NONCROP OPEN PASTURE RATES TO BE USED IN COMPUTING FARM ALLOWANCES

County	Rate per acre (cents)	County	Rate per acre (cents)	County	Rate per acre (cents)
Armstrong	5.0	Fall River	6.0	Meade	6.5
Aurora	10.0	Faulk	9.0	Mellette	6.5
Beadle	12.0	Grant	18.0	Minor	18.0
Bennett	7.0	Gregory	7.5	Minnehaha	21.0
Bon Homme	15.0	Haakon	6.0	Moody	20.0
Brookings	18.0	Hamlin	16.0	Pennington	5.5
Brown	12.0	Hand	9.0	Perkins	6.5
Brule	7.5	Hanson	19.0	Potter	7.5
Buffalo	7.5	Harding	6.0	Roberts	18.0
Butte	6.0	Hughes	6.5	Sanborn	13.0
Campbell	7.5	Hutchinson	18.0	Shannon	7.0
Charles Mix	8.0	Hyde	7.5	Spink	12.0
Clark	15.0	Jackson	6.0	Stanley	5.5
Clay	18.0	Jerauld	9.0	Sully	6.5
Codington	18.0	Jones	6.5	Todd	7.0
Corson	5.5	Kingsbury	15.0	Tripp	7.0
Custer	6.0	Lake	18.0	Turner	21.0
Davison	15.0	Lawrence	7.0	Union	19.0
Day	17.0	Lincoln	19.0	Walworth	7.5
Deuel	18.0	Lyman	6.5	Washabaugh	6.5
Dewey	5.5	McCook	21.0	Washington	6.5
Douglas	12.0	McPherson	9.0	Yankton	21.0
Edmunds	9.0	Marshall	15.0	Zeibach	5.5

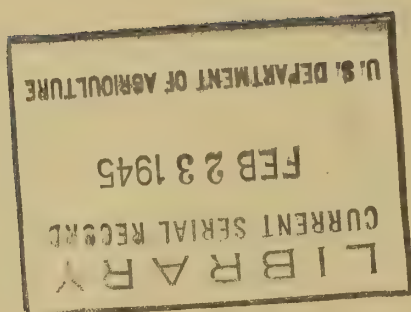
E. POOLING OF PRACTICE ALLOWANCES

Producers in any local area may agree in writing, with the approval of the State committee, to combine all or any part of their farm allowances, including the special practice allowance for Spreader Ditches when carried out under a Pooling Agreement, for the performance of practices set forth in this section. For purposes of payment, practices carried out under a written Pooling Agreement will be regarded as having been carried out on the farms of the producers who performed the practices. Following are the practices which may be pooled:

- (a) Dams for livestock water or erosion control when the dams are used for erosion control.
- (b) Spreader ditches.
- (c) Weed control.

- (d) Establishment or reorganization of the farm irrigation system.
- (e) Rip-rap.
- (f) Farm drainage ditches.





UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL ADJUSTMENT AGENCY
Washington, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

NORTH CENTRAL REGION

A
WISCONSIN COMMITTEEMAN'S PRACTICE HANDBOOK

The 1945 Farm Program is designed to assist farmers of Wisconsin to the fullest possible extent in protecting their soils against damage from erosion and loss of fertility.

The county committee, with the approval of the State committee, may designate those practices which will be approved for payment in the county in order that the farm allowance will be used most effectively to bring about increased conservation, or the county committee may specify for any group of farms a proportion of the farm allowance which may be earned only by carrying out certain designated practices which are very much needed.

A. CONSERVATION PRACTICE ALLOWANCE

The practice allowance is the maximum amount of payment that may be made for carrying out approved conservation practices.

(1) The allowance for the following special practices shall be an amount equal to 30 percent of the regular practices allowance determined under item (2) below, plus any portion of the regular allowance which is not earned by the performance of regular practices; Establishing Contour Stripcropping, Field Stripcropping to Control Water Erosion, Field Stripcropping to Control Wind Erosion, Green Manure Crops in Commercial Orchards or on Commercial Vegetable Land, Go-Down Crops in Commercial Orchards or on Commercial Vegetable Land, and the Application of Liming Materials.

(2) The allowance for regular practices shall be the sum of the following, or \$20, whichever is greater:

- (a) 50 cents times the acreage classified as cropland.
- (b) 50 cents times the acreage classified as noncrop open pasture.
- (c) 50 cents times the acreage classified as commercial orchards.

B. CONSERVATION PRACTICES

The practices available for 1945 are those which are most needed in order to conserve and improve soil fertility, improve pasture land, prevent wind and water erosion, and promote conservation and better utilization of water. Assistance will be available through the conservation practice allowance for carrying out the following practices during the program year January 1, 1945, through December 31, 1945. To qualify for payment, each practice must be carried out in accordance with the specifications for that practice and be in keeping with good farming practices for the locality.

The total extent of any practice performed shall be reduced for purposes of payment by the percentage of the total cost of the practice which the county committee determines was furnished by a State or Federal agency. The extent of any practice shall not be reduced

because a portion of the cost is represented by materials or services furnished by the A. A. A., or equipment furnished by S. C. S., or materials or services furnished by an agency of a State or political subdivision thereof to another agency or political subdivision of the same State, or trees purchased from a Clark-McNary Cooperative State Nursery.

All **special practices** listed under this section are designated by asterisks (**). Practices not designated as special practices will be considered as **regular practices**.

(1) **Contouring intertilled crops.**—Contour farming of intertilled crops, provided the crop stubble is left standing, a good stand of a winter cover crop is obtained, or the land is fall plowed on the contour. Credit will not be given for this practice on land which has a slope of less than 2 percent. If there is danger of erosion in waterways, such waterways must be permanently established in sod. No credit will be given for this practice for any acreage qualifying under the Contour Strip cropping practices.—**\$1.50 per acre.**

(2) **Contour seeding.**—Contour seeding, by drilling, of small grain crops, sorghums, millet, and soybeans. If there is danger of erosion in waterways, such waterways must be permanently established in sod. No credit will be given for this practice for any acreage qualifying under the Contour Stripcropping practices. All tillage operations in connection with the seeding must be on the contour.—**\$0.50 per acre.**

(3) ****Establishing contour stripcropping.**—By growing alternate strips of intertilled crops with sown, close-drilled, or sod crops, on the contour: *Provided*, (1) The strips are approximately the same width; (2) the strips are not less than 3 rods nor more than 8 rods in width; and (3) the crop stubble is left standing, a good stand of a winter cover crop is obtained, or the land is fall plowed on the contour. Buffer strips must be at least 1 rod in width.—**\$2.50 per acre.**

(4) **Maintaining contour stripcropping.**—Maintaining contour stripcropping previously established, by growing alternate strips of intertilled crops with sown, close-drilled, or sod crops, on the contour: *Provided*, (1) The strips are approximately the same width; (2) the strips are not less than 3 rods nor more than 8 rods in width; and (3) the crop stubble is left standing, a good stand of a winter cover crop is obtained, or the land is fall plowed on the contour. When in the normal course of crop rotation it is necessary to have two adjacent strips of sown, close-drilled, or sod crops, payment will be made for the entire field. Buffer strips must be at least 1 rod in width.—**\$1.00 per acre.**

(5) ****Field stripcropping to control water erosion.**—By growing alternate strips of intertilled crops with sown, close-drilled, or sod crops: *Provided*, (1) The strips are approximately parallel and are laid out across the general slope; (2) the strips are approximately the same width; and (3) the strips are not less than 3 rods nor more than 8 rods in width; and (4) the crop stubble is left standing or a good stand of a winter cover crop is obtained. No credit will be given for this practice on land which has a slope of less than 2 percent. Buffer strips must be at least 1 rod in width.—**\$0.50 per acre.**

(6) ****Field Stripcropping to control wind erosion.**—By growing alternate strips of intertilled crops with sown, closer-drilled, or sod crops: *Provided*, (1) The strips are approximately parallel and are

laid out at right angles to the prevailing winds or in a continuous "S" so that winds cannot blow parallel to the rows of crops; (2) the strips are not less than 3 rods nor more than 15 rods in width; and (3) except on the strip adjacent to or on the leeward side of a belt of planted coniferous trees at least 12 feet high, the crop stubble must be left standing or a good stand of a winter cover crop must be obtained. Buffer strips must be at least 1 rod in width.—**\$0.50 per acre.**

(7) **Standard terraces.**—With prior approval of the county committee, construction of standard terraces for which proper outlets are provided. The terraces should be constructed to conform with specifications for standard terraces for the area as recommended by the U. S. Department of Agriculture.—**\$1 per 100 lin. ft.**

(8) **Establishing sod waterways.**—Maintaining an established sod waterway on any cropland where a permanent vegetative cover is necessary in a waterway channel or terrace outlet, or in cultivated orchards. The channel of the waterway must be sufficiently wide to carry the run-off from the drainage area and must be at least 10 feet in width at the narrowest point. The channel must contain perennial grasses, and a good vegetative growth must be obtained.—**\$0.75 per 1,000 sq. ft.**

(9) **Maintaining sod waterways.**—Maintaining an established sod waterway at least 10 feet wide at the narrowest point in a field which is devoted to small grain or intertilled crops, by lifting the plow when the waterway is crossed, mowing, sodding or reseeding breaks in the sod, protecting from damage by livestock, and by use of other practices necessary to maintain a good vegetative cover. No credit will be given for this practice for any waterway for which credit is given under Practice (8).—**\$0.25 per 1,000 sq. ft.**

(10) **Reseeding and renovating depleted pasture on land designated as noncrop open pasture.**—The land must be disked or spring-toothed sufficiently to prepare a good seed bed if necessary and practicable, and lime and fertilizer must be applied as needed:

(a) Seedings consisting solely of timothy, red top, sweet clover, or a mixture of such crops.—**\$0.10 per lb.**

(b) Seedings consisting of adapted pasture grasses, perennial or biennial legumes (except sweet clover), or approved pasture mixtures.—**\$0.25 per lb.**

(c) Disking or springtoothing the land to prepare the soil for reseeding.—**\$0.75 per acre.**

(11) **Mowing weeds.**—Mowing weeds on pasture land a sufficient number of times during the growing season to prevent seed formation and improve the stand of grasses and legumes, and by carrying out such other pasture improvement practices as the county committee may require. No hay or seed crop may be taken from the acreage.—**\$0.50 per acre per mowing.**

(12) ****Go-down crops** (applicable only on commercial orchards or commercial vegetable land).—Protecting the soil from wind and water erosion by the use of go-down crops, provided a good vegetative growth is obtained and the crop is not pastured or harvested for hay, grain, seed, or forage, or otherwise taken from the land. The following crops will qualify under this practice:

(a) **In commercial orchards:** Sudan grass, millet, buckwheat, sweet sorghums, oats, barley, wheat, and rye, or mixtures of any of these crops.—**\$1.50 per acre.**

(b) **On commercial vegetable land:** Sudan grass, millet, buckwheat, or sweet sorghums.—**\$1.50 per acre.**

(13) **Green manure crops.**—Disking or plowing under a good stand and a good growth of the following crops. If the land is subject to erosion and the green manure is plowed down in the fall, the land must be protected by a winter cover crop.—**\$1.50 per acre.**

- (a) Alsike or red clover turned under in the fall.
- (b) Sweet clover.
- (c) Buckwheat.
- (d) Winter rye seeded in the fall of 1944, except that acreage for which a 1944 winter cover crop practice payment was made.

(14) ****Green manure crops in commercial orchards or on commercial vegetable land.**—Disking or plowing under a good stand and a good growth of the following: Alsike or red clover turned under in the fall, sweet clover, or buckwheat. If the land is subject to erosion and the green manure is plowed down in the fall, the green manure crop must be followed by a winter cover crop.—**\$1.50 per acre.**

(15) **Farm ditches.**—With prior approval of the county committee, construction or cleaning out of farm ditches (except ditches constructed or maintained by a drainage district), including lateral and lead ditches, for which proper outlets are provided, and adequate provision is made for entrance of water into and out of the ditches. The ditches must have sufficient capacity to remove the normal excess surface water.—**\$0.08 per cu. yd. of material moved**, but not in excess of **\$5.00 per 100 lin. ft.**

(16) **Ditches for tile drainage.**—With prior approval of the county committee, excavation for the purpose of installation of tile drains, provided the size of tile, outlets, and gradient meet the specification for standard drainage as recommended by the U. S. Department of Agriculture. No part of the tile lines is to be used for any other purpose than the draining of agricultural land.—**\$0.40 per rod.**

(17) **Harvesting hayseed.**—Harvesting for seed an acreage of alfalfa, red clover, alsike, white clover, sweet clover, and Reed's canary grass. Credit will not be given for more than 25 acres per farm.—**\$3.50 per acre.**

(18) **Weed control.**—With prior approval of the county committee, eradication or effective control of seriously infested plots of the following perennial noxious weeds: **Canada thistle, creeping Jenny, leafy spurge, and quack grass.** Payment for this practice may be approved only on farms where approved weed control measures are being carried out on all adjacent infested farm and contiguous land, where the infestation is limited to a single farm, or where the county committee determines that there is no likelihood of reinfestation from adjacent or contiguous land. County committees should establish a date by which all weed control practices in the county should be begun. Each farm on which weed control by clean tillage is being carried out, must perform the operation at least every ten days over a period of 8 weeks.

- (a) By use of sodium chlorate or other chemicals.—**\$0.10 per lb.**
- (b) By clean tillage (except quack grass).—**\$10 per acre.**
- (c) By clean tillage of quack grass.—**\$5 per acre.**

(19) **Tree planting.**—Prior approval of the site and of the variety of the tree to be planted must be obtained from the county committee. The plantings must be made in accordance with good tree culture and protected from fire and grazing. The following varieties of trees

may be approved for payment provided they are adapted to the particular soil type, climatic conditions, moisture conditions, and site: Norway pine, jack pine, eastern white pine, white spruce, black spruce, northern white cedar, sugar maple, yellow birch, basswood, American elm, green ash, white ash, white pine, Norway spruce, cottonwood, black locust, and yellow poplar:

(a) Planting for forest purposes or gully control.—\$1 per 100 trees, but not in excess of \$7.50 per acre.

(b) Planting for windbreak purposes.—\$2 per 100 trees.

(20) **Tree maintenance.**—Maintaining for forest purposes a good stand of at least 300 trees per acre, or for windbreak purposes, a good stand of at least 250 trees per acre, which have been planted between January 1, 1940, and January 1, 1945, by cultivating sufficiently to control other vegetation, protecting from fire and grazing, and replanting if necessary.—\$3 per acre.

(21) **Mulching materials.**—Application of straw and hay in commercial orchards, in vineyards, on commercial vegetable land, on potato land, or on strawberries or other small fruits.—\$5 per ton.

(22) **Liming materials** (credit rates are contained in NCR-901-Wis., Suppl. I).—Application of the following materials:

(a) **One ton of agricultural ground limestone** containing at least 80 percent calcium carbonate equivalent, and ground sufficiently fine so that 80 percent, including all of the finer particles obtained in the grinding process, will pass through an 8-mesh sieve. The moisture content at the time of shipment must not exceed 8 percent. The specifications for calcium carbonate content and percent of material passing through an 8-mesh sieve must be such that the multiplication of these specifications will be equal to or in excess of 0.72. If the ground limestone will not qualify with respect to either fineness or calcium carbonate content, or both, the county committee must require a correspondingly greater amount of material.

(b) **One ton of calcium carbide refuse lime** containing at least 85 percent of calcium carbonate and testing not more than 35 percent moisture at the shipping point. A correspondingly greater amount of material must be required if the material does not meet the specifications.

(c) **One cubic yard of marl.**

(d) **One cubic yard of paper mill refuse lime.**

(e) **One cubic yard of calcareous clay.**

(f) **One cubic yard of commercial wood ashes.**

(g) **One ton of byproduct of lead mines**, of which 80 percent will pass through an 8-mesh sieve.

(h) **One cubic yard of sugarbeet refuse lime.**

(i) **One ton of commercial burnt lime.**

(j) **One ton of eggshells.**

(k) **One ton of burnt lime waste.**

(l) **One tone of hydrated lime.**

(23) **Fertilizers.**—Application of **superphosphate, rock phosphate, or potash**, when such material is applied (1) to **old stands** of biennial and perennial legumes, perennial grasses, or permanent pasture, provided the acreage on which such applications are made is not devoted to, cultivated for, or plowed for any other crop during the program year; (2) to new seedings of biennial or perennial legumes, perennial grasses, winter legumes, or permanent pasture (no credit will be given for materials furnished by the Agricultural Adjustment Agency applied to a seeding if wheat is used as a nurse crop); and (3) to green manure crops in orders:

(a) Application of superphosphate or defluorinated phosphate rock.—
\$5.00 per 100 lbs. of available P_2O_5 .

(b) Application of rock phosphate.—**\$0.65 per 100 lbs.**

(c) Application of potash.—**\$3.30 per 100 lbs. of available K_2O .**

(d) 100 lbs. of 0-9-27-----	\$1. 35	(m) 100 lbs. of 0-20-20-----	\$1. 65
(e) 100 lbs. of 0-10-20-----	1. 20	(n) 100 lbs. of 2-12-6-----	. 80
(f) 100 lbs. of 0-12-12-----	1. 00	(o) 100 lbs. of 3-9-18-----	1. 05
(g) 100 lbs. of 0-14-7-----	. 95	(p) 100 lbs. of 3-12-12-----	1. 00
(h) 100 lbs. of 0-14-14-----	1. 20	(q) 100 lbs. of 3-18-9-----	1. 20
(i) 100 lbs. of 0-18-0-----	. 90	(r) 100 lbs. of 4-10-6-----	. 70
(j) 100 lbs. of 0-19-0-----	. 95	(s) 100 lbs. of 4-16-0-----	. 80
(k) 100 lbs. of 0-20-0-----	1. 00	(t) 100 lbs. of 8-8-8-----	. 65
(l) 100 lbs. of 0-20-10-----	1. 35	(u) 100 lbs. of 10-6-4-----	. 45

(24) **Sanding cranberry bogs.**—Applying sand free from stones or loam to a depth of at least $\frac{1}{2}$ inch on fruiting cranberry bogs.—**\$5.00 per acre.**

CUT-OVER AREA PRACTICES

The cut-over area includes the following counties: Ashland, Barron, Bayfield, Burnett, Chippewa, Clark, Door, Douglas, Dunn, Eau Claire, Florence, Forest, Iron, Langlade, Lincoln, Marathon, Marinette, Oconto, Oneida, Pepin, Pierce, Polk, Price, Rusk, St. Croix, Sawyer, Shawano, Taylor, Vilas, and Washburn.

(25) **Clearing farm land now unsuited for tillage, on farms with less than 60 acres of cropland.**—Prior approval by the county committee must be obtained in all cases. All loose stone, stumps, underbrush, and forest-tree growth must be removed and hummocks leveled. No credit will be given for clearing land which is now supporting a stand of merchantable timber. However, approval must not be given where it is clear that water-erosion hazards will result or where the soils of the land to be cleared are not equal to or superior to the soils now under cultivation on the farm. Land on which it appears that it would be necessary to remove stones annually in large quantities should not receive the approval of the committee. Land which must be drained before being put into cultivation must not be approved unless the county committee is assured that adequate draining facilities will be provided by the farmer before the end of the program year. No credit will be given if the cost of clearing the land is less than \$20 per acre.—**\$10.00 per acre.**

(26) **Improving pastures.**—With prior approval of the county committee, improvement of noncrop open pasture land which the county committee determines will, when improved, be capable of carrying at least one animal unit for each two acres during a pasture season of at least four months. Improvement shall include uprooting and removal of shrubs, leveling hummocks, carrying out an adequate system of mowing, and removing loose stones. Payment will not be made unless sufficient liming materials, fertilizer and seed, where needed, are applied to obtain a good stand.—**\$5 per acre.**

(27) **Filling and leveling of pot holes on cropland.**—Prior approval by the county committee must be obtained in all cases. Payment will be made for filling and leveling pot holes in fields where such depressions constitute a hinderance to the farming operations in such fields. The pot holes must be filled and leveled to such an extent that normal farming operations may be carried out on the entire field. Where necessary, farm ditches to provide drainage may be required.

The county committee at the time of their visit to the farm to give prior approval for this practice, will estimate the number of cubic yards of material necessary to fill all depressions for which approval is given. Payment will be limited to the estimate made by the county committee.—**\$0.05 per cu. yd. of material**, used in filling the depression.

C. DEFINITIONS

(1) **Farm.**—Farm means all adjacent or nearby farm land under the same ownership which is operated by one person, including also:

(a) Any other adjacent or nearby farm land which the county committee, in accordance with instructions issued by the Agricultural Adjustment Agency, determines is operated by the same person as part of the same unit with respect to the rotation of crops and with workstock, farm machinery, and labor substantially separate from that for any other lands; and

(b) Any field-rented tract (whether operated by the same or another person) which, together with any other land included in the farm, constitutes a unit with respect to the rotation of crops.

(c) A farm shall be regarded as located in the county in which the principal dwelling is situated, or if there is no dwelling thereon, it shall be regarded as located in the county in which the major portion of the farm is located.

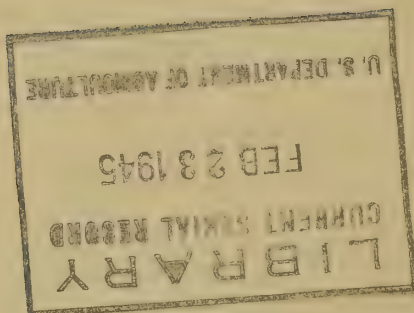
(2) **Cropland.**—Cropland means farm land which in 1944 was tilled or was in regular rotation, excluding any land which constitutes, or will constitute if such tillage is continued, a wind-erosion hazard to the community, and excluding also, any land in commercial orchards.

(3) **Noncrop open pasture land.**—Noncrop open pasture land means pasture land (other than rotation pasture land) on which the predominant growth is forage suitable for grazing and on which the number or grouping of any trees or shrubs is such that the land could not fairly be considered as woodland.

(4) **Commercial orchards.**—Commercial orchards means the acreage on the farm in planted or cultivated fruit trees, nut trees, vineyards, hops, or bush fruits (excluding nonbearing orchards and vineyards), from which the major portion of the production is normally sold.

(5) **Person.**—Person means an individual, partnership, association, corporation, estate, or trust, or other business enterprise or other legal entity, and, wherever applicable, a State, a political subdivision of a State, or any agency thereof.

(6) **Producer.**—Producer means any person who as landlord, tenant, or sharecropper, participates in the operation of a farm.



UNITED STATES DEPARTMENT OF AGRICULTURE
 AGRICULTURAL ADJUSTMENT AGENCY
 WASHINGTON, D. C.

1945 AGRICULTURAL CONSERVATION PROGRAM

NORTH CENTRAL REGION

SUPPLEMENT 1 TO WISCONSIN COMMITTEEMAN'S PRACTICE
 HANDBOOK

1945 CREDIT RATES FOR LIMING MATERIALS—WISCONSIN

Following are the materials for which the credit rates are the same throughout the State:

Type of material	Credit rate
Calcareous clay	\$0.50 per cu. yd.
By-product of lead mines	\$1.10 per ton.
Sugarbeet refuse lime	\$0.90 per cu. yd.
Commercial burnt lime	\$4.00 per ton.
Burnt lime waste	\$1.40 per ton.
Eggshells	\$1.00 per ton.
Hydrated lime	\$4.00 per ton.

The following are the credit rates for the other materials for which credit will be given in your county. The rates for limestone and carbide refuse are on a ton basis, and the rates for marl, paper mill refuse, and wood ashes are on a cubic yard basis.

ADAMS COUNTY

Town	Lime-stone	Marl	Paper mill refuse
Adams	\$2. 20	\$1. 10	\$1. 20
Big Flats	2. 20	1. 40	. 90
Colburn	2. 20	1. 30	. 90
Dell Prairie	1. 80	1. 20	. 1. 30
Easton	2. 10	. 90	1. 20
Jackson	2. 00	. 90	1. 30
Leola	2. 20	1. 40	. 80
Lincoln	2. 20	. 90	1. 20
Monroe	1. 90	1. 40	. 90
New Chester	2. 10	. 80	1. 30
New Haven	1. 80	1. 10	1. 30
Preston	2. 10	1. 30	1. 10
Quincy	2. 00	1. 30	1. 10
Richfield	2. 20	1. 10	1. 10
Rome	2. 20	1. 60	. 70
Springville	2. 00	1. 10	1. 30
Strong's Prairie	1. 80	1. 40	1. 10

ASHLAND COUNTY

Town	Lime-stone	Carbide refuse	Wood ashes
Agenda	\$2. 90	\$2. 00	\$0. 50
Ashland	2. 90	2. 00	. 50
Butternut	2. 90	2. 00	. 50
Gingles	2. 80	2. 00	. 50
Gordon	2. 90	2. 00	. 50
Jacobs	2. 90	2. 00	. 50
La Pointe	2. 60	2. 00	. 50
Marengo	2. 90	2. 00	. 50
Morse	2. 90	2. 00	. 50
Peeksville	2. 90	2. 00	. 50
Sanborn	2. 80	2. 00	. 50
Shanagolden	2. 90	2. 00	. 50
White River	2. 80	2. 00	. 50

BARRON COUNTY

Town	Lime-stone
Almena.....	\$2. 40
Arland.....	2. 40
Barron.....	2. 40
Bear Lake.....	2. 40
Cedar Lake.....	2. 50
Chetek.....	2. 50
Clinton.....	2. 40
Crystal Lake.....	2. 40
Cumberland.....	2. 50
Dallas.....	2. 40
Dovre.....	2. 50
Doyle.....	2. 40
Lakeland.....	2. 40
Maple Grove.....	2. 40
Maple Plain.....	2. 50
Oak Grove.....	2. 40
Prairie Farm.....	2. 00
Prairie Lake.....	2. 40
Rice Lake.....	2. 40
Sioux Creek.....	2. 40
Stanford.....	2. 40
Stanley.....	2. 40
Sumner.....	2. 40
Turtle Lake.....	2. 40
Vance Creek.....	2. 10

BAYFIELD COUNTY

All towns.....	\$2. 50
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BROWN COUNTY

All towns.....	\$1. 40
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BUFFALO COUNTY

Alma.....	\$1. 40
Belvidere.....	1. 40
Buffalo.....	1. 60
Canton.....	1. 40
Cross.....	1. 50
Dover.....	1. 50
Gilmanton.....	1. 30
Glencoe.....	1. 50
Lincoln.....	1. 60
Maxville.....	1. 30
Milton.....	1. 40
Modena.....	1. 40
Mondovi.....	1. 30
Montana.....	1. 60
Naples.....	1. 40
Nelson.....	1. 40
Waumandee.....	1. 60

BURNETT COUNTY

Town	Lime-stone	Marl	Wood ashes
Anderson.....	\$2. 80	\$1. 00	\$0. 80
Blaine.....	2. 80	1. 40	. 80
Daniels.....	2. 50	1. 10	. 80
Dewey.....	2. 60	1. 30	. 80
Grantsburg.....	2. 80	1. 10	. 80
Jackson.....	2. 70	1. 30	. 80
La Follette.....	2. 60	1. 10	. 80
Lincoln.....	2. 60	1. 30	. 80
Meenon.....	2. 40	1. 40	. 80
Oakland.....	2. 60	1. 20	. 80
Roosevelt.....	2. 50	. 90	. 80
Rusk.....	2. 60	1. 30	. 80
Sand Lake.....	2. 60	1. 30	. 80
Scott.....	2. 80	1. 30	. 80
Siren.....	2. 40	1. 30	. 80
Swiss.....	2. 50	1. 10	. 80
Trade Lake.....	2. 60	1. 10	. 80
Union.....	2. 50	1. 30	. 80
Weblake.....	2. 80	1. 40	. 80
West Marshland.....	2. 80	1. 20	. 80
Wood River.....	2. 70	. 90	. 80

CALUMET COUNTY

Town	Lime-stone
All towns.....	\$1. 70

CHIPPEWA COUNTY

Town	Lime-stone	Marl
Anson.....	\$2. 00	\$1. 00
Arthur.....	2. 10	1. 00
Auburn.....	2. 10	1. 00
Birch Creek.....	2. 40	1. 00
Bloomer.....	2. 00	1. 00
Cleveland.....	2. 30	1. 00
Colburn.....	2. 20	1. 00
Cooks Valley.....	1. 90	1. 00
Delmar.....	2. 20	1. 00
Eagle Point.....	2. 00	1. 00
Edson.....	2. 20	1. 00
Estella.....	2. 30	1. 00
Goetz.....	2. 00	1. 00
Hallie.....	1. 90	1. 00
Holcombe.....	2. 40	1. 00
Howard.....	2. 00	1. 00
LaFayette.....	2. 00	1. 00
Ruby.....	2. 40	1. 00
Sampson.....	2. 30	1. 00
Sigel.....	2. 10	1. 00
Tilden.....	2. 00	1. 00
Wheaton.....	1. 90	1. 00
Woodmohr.....	2. 00	1. 00

CLARK COUNTY

Town	Lime-stone	Paper mill refuse	Wood ashes
All towns	\$2. 40	\$1. 20	\$1. 20

COLUMBIA COUNTY

Town	Lime-stone
Arlington	\$1. 30
Caledonia	1. 60
Columbus	1. 30
Courtland	1. 40
Dekorra	1. 40
Fort Winnebago	1. 40
Fountain Prairie	1. 30
Hampden	1. 30
Leeds	1. 30
Lewiston	1. 70
Lodi	1. 30
Lowville	1. 30
Marcellon	1. 30
Newport	1. 80
Otsego	1. 30
Pacific	1. 30
Randolph	1. 30
Scott	1. 40
Springvale	1. 30
West Point	1. 50
Wyocena	1. 30

CRAWFORD COUNTY

Bridgeport	\$1. 50
Clayton	1. 50
Eastman	1. 30
Freeman	1. 50
Haney	1. 20
Marietta	1. 20
Prairie du Chien	1. 40
Scott	1. 20
Seneca	1. 30
Utica	1. 30
Wauzeka	1. 20

DANE COUNTY

Albion	\$1. 30
Berry	1. 10
Black Earth	1. 10
Blooming Grove	1. 30
Blue Mounds	1. 00
Bristol	1. 30
Burke	1. 30
Christiana	1. 30
Cottage Grove	1. 20
Cross Plains	1. 10

DANE COUNTY—Continued

Town	Lime-stone
Dane	\$1. 30
Deerfield	1. 30
Dunkirk	1. 30
Dunn	1. 30
Fitchburg	1. 10
Madison	1. 10
Mazomanie	1. 20
Medina	1. 30
Middleton	1. 10
Montrose	1. 30
Oregon	1. 30
Perry	1. 10
Pleasant Springs	1. 30
Primrose	1. 00
Roxbury	1. 40
Rutland	1. 30
Springdale	1. 00
Springfield	1. 30
Sun Prairie	1. 30
Vermont	1. 00
Verona	1. 10
Vienna	1. 30
Westport	1. 30
Windsor	1. 30
York	1. 30

DODGE COUNTY

Ashippun	\$1. 50
Beaver Dam	1. 50
Burnett	1. 40
Calamus	1. 30
Chester	1. 50
Clyman	1. 50
Elba	1. 30
Emmet	1. 50
Fox Lake	1. 40
Herman	1. 30
Hubbard	1. 30
Hustisford	1. 50
Lebanon	1. 50
Leroy	1. 40
Lomira	1. 40
Lowell	1. 30
Oak Grove	1. 30
Portland	1. 30
Rubicon	1. 50
Shields	1. 50
Theresa	1. 30
Trenton	1. 50
Westford	1. 30
Williamstown	1. 30

DOOR COUNTY

Baileys Harbor	\$1. 80
Brussels	1. 60
Claybanks	1. 60
Egg Harbor	1. 80

DOOR COUNTY—Continued

Town	Lime-stone
Forestville.....	\$1. 60
Gardner.....	1. 60
Gibraltar.....	1. 80
Jacksonport.....	1. 80
Liberty Grove.....	1. 80
Nasewaupee.....	1. 60
Sevastopol.....	1. 80
Sturgeon Bay.....	1. 60
Union.....	1. 60
Washington.....	2. 10

DOUGLAS COUNTY

Town	Lime-stone	Paper mill refuse
Amnicon.....	\$2. 80	\$1. 50
Bennett.....	2. 50	1. 70
Brule.....	2. 80	1. 70
City of Superior.....	2. 50	1. 40
Cloverland.....	2. 80	1. 70
Dairyland.....	2. 60	1. 90
Gordon.....	2. 50	1. 80
Hawthorne.....	2. 50	1. 60
Highland.....	2. 40	1. 80
Lakeside.....	2. 80	1. 50
Maple.....	2. 80	1. 60
Oakland.....	2. 70	1. 50
Parkland.....	2. 70	1. 40
Solon Springs.....	2. 40	1. 80
Summit.....	2. 70	1. 70
Superior.....	2. 70	1. 40
Wascott.....	2. 50	1. 90

DUNN COUNTY

Town	Lime-stone
Colfax.....	\$1. 80
Dunn.....	1. 60
Eau Galle.....	1. 60
Elk Mound.....	1. 70
Grant.....	1. 80
Hay River.....	1. 60
Lucas.....	1. 60
Menomonie.....	1. 60
New Haven.....	1. 80
Otter Creek.....	1. 70
Peru.....	1. 60
Red Cedar.....	1. 60
Rock Creek.....	1. 70
Sand Creek.....	2. 00
Sheridan.....	1. 80
Sherman.....	1. 50
Spring Brook.....	1. 70
Stanton.....	1. 60
Tainter.....	1. 60
Tiffany.....	1. 60

DUNN COUNTY—Continued

Town	Lime-stone
Weston.....	\$1. 70
Wilson.....	1. 90

EAU CLAIRE COUNTY

Bridge Creek.....	\$1. 90
Brunswick.....	1. 60
Clear Creek.....	1. 70
Drammen.....	1. 50
Fairechild.....	1. 90
Lincoln.....	1. 80
Ludington.....	2. 00
Otter Creek.....	1. 80
Pleasant Valley.....	1. 60
Seymour.....	1. 80
Union.....	1. 70
Washington.....	1. 70
Wilson.....	2. 10

FLORENCE COUNTY

Aurora.....	\$2. 40
Commonwealth.....	2. 50
Fence.....	2. 30
Fern.....	2. 50
Florence.....	2. 50
Homestead.....	2. 50
Long Lake.....	2. 50
Tipler.....	2. 50

FOND DU LAC COUNTY

Alto.....	\$1. 50
Ashford.....	1. 50
Auburn.....	1. 60
Byron.....	1. 30
Calumet.....	1. 50
Eden.....	1. 40
Eldorado.....	1. 50
Empire.....	1. 40
Fond du Lac.....	1. 40
Forest.....	1. 40
Friendship.....	1. 40
Lamartine.....	1. 40
Marshfield.....	1. 50
Metomen.....	1. 50
Oakfield.....	1. 40
Osceola.....	1. 50
Ripon.....	1. 10
Rosendale.....	1. 50
Springvale.....	1. 50
Taycheedah.....	1. 40
Waupun.....	1. 40

FOREST COUNTY

Alvin.....	\$2. 50
Argonne.....	2. 10

FOREST COUNTY—Continued

Town	Lime-stone
Armstrong Creek	\$2. 10
Blackwell	2. 20
Caswell	2. 10
Crandon	2. 10
Freedom	2. 20
Hiles	2. 20
Laona	2. 20
Lincoln	2. 10
Nashville	2. 20
Popple River	2. 20
Ross	2. 20
Wabeno	2. 20

GRANT COUNTY

Beetown	\$1. 10
Bloomington	1. 10
Boscobel	1. 10
Cassville	1. 00
Castle Rock	1. 10
Clifton	. 90
Ellenboro	1. 00
Fennimore	1. 00
Glen Haven	1. 00
Harrison	1. 10
Hazel Green	1. 00
Hickory Grove	1. 10
Jamestown	1. 00
Liberty	1. 00
Lima	1. 00
Little Grant	1. 00
Marion	1. 10
Millville	1. 20
Mount Hope	1. 10
Mount Ida	1. 10
Muscoda	1. 20
North Lancaster	1. 00
Paris	1. 00
Patch Grove	1. 10
Platteville	1. 00
Potosi	1. 10
Smelser	1. 00
South Lancaster	1. 00
Waterloo	1. 10
Watterstown	1. 10
Wingville	. 90
Woodman	1. 20
Wyalusing	1. 20

GREEN COUNTY

Adams	\$1. 10
Albany	1. 20
Brooklyn	1. 10
Cadiz	1. 10
Clarno	1. 10
Decatur	1. 20
Exeter	1. 10

GREEN COUNTY—Continued

Town	Lime-stone
Jefferson	\$1. 10
Jordan	1. 10
Monroe	1. 10
Mount Pleasant	1. 10
New Glarus	1. 10
Spring Grove	1. 10
Sylvester	1. 10
Washington	1. 10
York	1. 10

GREEN LAKE COUNTY

Berlin	\$1. 30
Brooklyn	1. 20
Green Lake	1. 30
Kingston	1. 30
Mackford	1. 30
Manchester	1. 30
Marquette	1. 30
Princeton	1. 30
St. Marie	1. 40
Seneca	1. 40

IOWA COUNTY

Arena	\$1. 20
Brigham	1. 10
Clyde	1. 20
Dodgeville	1. 00
Eden	1. 10
Highland	1. 10
Linden	1. 10
Mifflin	1. 20
Mineral Point	1. 00
Moscow	1. 00
Pulaski	1. 20
Ridgeway	1. 10
Waldwick	1. 00
Wyoming	1. 20

IRON COUNTY

Anderson	\$2. 40
Carey	2. 40
Gurney	2. 30
Kimball	2. 30
Knight	2. 40
Mercer	2. 30
Oma	2. 40
Pence	2. 40
Saxon	2. 30
Sherman	2. 30

JACKSON COUNTY

Town	Lime-stone	Paper mill refuse
Adams	\$2. 50	\$1. 10
Albion	2. 10	1. 10
Alma	2. 10	1. 10
Bear Bluff	2. 50	1. 10
Brockway	2. 50	1. 10
City Point	2. 50	1. 20
Cleveland	2. 10	1. 10
Curran	2. 00	1. 10
Franklin	1. 90	1. 10
Garden Valley	2. 10	1. 10
Garfield	1. 90	1. 10
Hixton	2. 00	1. 10
Irving	1. 90	1. 10
Knapp	2. 30	1. 10
Komensky	2. 50	1. 10
Manchester	2. 30	1. 10
Melrose	1. 80	1. 10
Millston	2. 10	1. 10
North Bend	1. 80	1. 10
Northfield	2. 00	1. 10
Springfield	1. 90	1. 10

JEFFERSON COUNTY

Town	Lime-stone
All towns	\$1. 30

JUNEAU COUNTY

Town	Lime-stone	Paper mill refuse
Armenia	\$1. 80	\$0. 90
Clearfield	1. 40	
Cutler	1. 40	1. 10
Finley	1. 80	. 90
Fountain	1. 40	
Germantown	1. 40	
Kildare	1. 40	
Kingston	1. 80	
Lemonweir	1. 40	
Lindina	1. 40	
Lisbon	1. 40	
Lyndon	1. 40	
Marion	1. 40	. 90
Necedah	1. 40	. 90
Orange	1. 40	. 90
Plymouth	1. 40	
Seven Mile Creek	1. 40	
Summit	1. 40	
Wonewoc	1. 40	

KENOSHA COUNTY

Town	Lime-stone
Brighton	\$1. 50
Bristol	1. 70
Paris	1. 70
Pleasant Prairie	1. 70
Randall	1. 60
Salem	1. 60
Somers	1. 70
Wheatland	1. 60

KEWAUNEE COUNTY

All towns	\$1. 80
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LA CROSSE COUNTY

All towns	\$1. 60
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LAFAYETTE COUNTY

All towns	\$1. 10
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LANGLADE COUNTY

Town	Lime-stone	Wood ashes
Ackley	\$2. 40	\$1. 40
Ainsworth	2. 70	1. 40
Antigo	2. 40	1. 40
Elcho	2. 70	1. 40
Evergreen	2. 40	1. 40
Langlade	2. 60	1. 40
Neva	2. 40	1. 40
Norwood	2. 30	1. 40
Parrish	2. 80	1. 40
Peck	2. 50	1. 40
Polar	2. 30	1. 40
Price	2. 50	1. 40
Rolling	2. 30	1. 40
Summit	2. 70	1. 40
Upham	2. 60	1. 40
Vilas	2. 60	1. 40
Wolf River	2. 50	1. 40

LINCOLN COUNTY

Town	Lime-stone	Paper mill refuse	Wood ashes
Birch	\$2. 50	\$0. 90	\$0. 80
Bradley	2. 50	. 50	. 80
Corning	2. 50	. 90	. 80
Harding	2. 50	. 90	. 80

LINCOLN COUNTY—Continued

Town	Lime-stone	Paper mill refuse	Wood ashes
Harrison	\$2. 50	\$0. 90	\$0. 80
King	2. 50	. 70	. 80
Merrill	2. 50	. 90	. 80
Pine River	2. 50	. 90	. 80
Rock Falls	2. 50	. 90	. 80
Russell	2. 50	. 90	. 80
Schley	2. 50	. 90	. 80
Scott	2. 50	. 90	. 80
Skawanaw	2. 50	. 70	. 80
Somo	2. 50	. 90	. 80
Tomahawk	2. 50	. 70	. 80
Wilson	2. 50	. 70	. 80

MANITOWOC COUNTY

Town	Lime-stone
All towns	\$1. 50

MARATHON COUNTY

Town	Lime-stone	Marl	Paper mill refuse	Wood ashes
Bergen	\$2. 50	\$1. 20	\$0. 90	-----
Berlin	2. 50	1. 20	1. 40	\$1. 50
Bern	2. 50	1. 20	1. 60	-----
Bevent	2. 50	1. 20	1. 20	-----
Brighton	2. 50	1. 20	1. 40	-----
Cassel	2. 50	1. 20	1. 20	-----
Cleveland	2. 50	1. 20	1. 20	-----
Day	2. 50	1. 20	1. 20	-----
Easton	2. 50	1. 20	1. 30	-----
Eau Pleine	2. 50	1. 20	1. 30	-----
Elderon	2. 50	1. 20	1. 20	-----
Emmet	2. 50	1. 20	1. 00	-----
Flieth	2. 50	1. 20	1. 00	-----
Frankfort	2. 50	1. 20	1. 30	-----
Franzen	2. 50	1. 20	1. 30	-----
Green Valley	2. 50	1. 20	1. 10	-----
Guenther	2. 50	1. 20	1. 10	-----
Halsey	2. 50	1. 20	1. 50	-----
Hamburg	2. 50	1. 20	1. 40	1. 50
Harrison	2. 50	1. 20	1. 70	-----
Hewitt	2. 50	1. 20	1. 60	-----
Holton	2. 50	1. 20	1. 60	-----
Hull	2. 50	1. 20	1. 40	-----
Johnson	2. 50	1. 20	1. 50	-----
Knowlton	2. 50	1. 20	. 90	-----
Kronenwetter	2. 50	1. 20	. 80	. 80
McMillan	2. 50	1. 20	1. 30	-----
Maine	2. 50	1. 20	1. 50	1. 50
Marathon	2. 50	1. 20	1. 10	-----
Mosinee	2. 50	1. 20	. 90	-----
Norrie	2. 50	1. 20	1. 30	-----
Plover	2. 50	1. 20	1. 40	-----
Reid	2. 50	1. 20	1. 10	-----

MARATHON COUNTY—Continued

Town	Lime-stone	Marl	Paper mill refuse	Wood ashes
Reitbrook	\$2. 50	\$1. 20	\$1. 40	-----
Rib Falls	2. 50	1. 20	1. 40	-----
Rib Mountain	2. 50	1. 20	1. 00	-----
Ringle	2. 50	1. 20	1. 20	-----
Spencer	2. 50	1. 20	1. 40	-----
Stettin	2. 50	1. 20	1. 30	-----
Texas	2. 50	1. 20	1. 50	\$1. 50
Wausau	2. 50	1. 20	1. 30	-----
Weston	2. 50	1. 20	1. 10	-----
Wien	2. 50	1. 20	1. 20	-----

MARINETTE COUNTY

Town	Lime-stone
All towns	\$2. 30

MARQUETTE COUNTY

Town	Lime-stone	Marl	Paper mill refuse
Buffalo	\$1. 30	\$0. 90	\$1. 00
Crystal Lake	1. 60	. 70	1. 00
Douglas	1. 70	1. 00	1. 00
Harris	1. 70	. 90	1. 00
Mecan	1. 60	. 90	1. 00
Montello	1. 40	. 70	1. 00
Moundville	1. 40	. 90	1. 00
Neshkoro	1. 70	. 60	1. 00
Newton	1. 80	. 90	1. 00
Oxford	1. 80	1. 00	1. 00
Packwaukee	1. 60	. 90	1. 00
Shields	1. 60	. 70	1. 00
Springfield	1. 90	1. 00	1. 00
Westfield	1. 80	1. 00	1. 00

MILWAUKEE COUNTY

Town	Lime-stone
All towns	\$1. 60

MONROE COUNTY

Adrian	\$1. 60
Angelo	1. 40
Byron	1. 70
Clifton	1. 40
Glendale	1. 40
Grant	1. 80

MONROE COUNTY—Cont.

Town	Lime-stone
Greenfield.....	\$1. 70
Jefferson.....	1. 40
Lafayette.....	1. 40
LaGrange.....	1. 60
Leon.....	1. 40
Lincoln.....	1. 80
Little Falls.....	1. 80
New Lyme.....	1. 80
Oakdale.....	1. 50
Portland.....	1. 40
Ridgeville.....	1. 50
Scott.....	1. 80
Sheldon.....	1. 50
Sparta.....	1. 40
Tomah.....	1. 50
Wellington.....	1. 40
Wells.....	1. 40
Wilton.....	1. 50

OCONTO COUNTY

All towns.....	\$2. 00
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ONEIDA COUNTY

All towns.....	\$2. 50
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OUTAGAMIE COUNTY

Black Creek.....	\$1. 20
Bovina.....	1. 20
Buchanan.....	1. 40
Center.....	1. 20
Cicero.....	1. 10
Dale.....	1. 10
Deer Creek.....	1. 30
Ellington.....	1. 10
Freedom.....	1. 30
Grand Chute.....	1. 30
Greenville.....	1. 20
Hortonia.....	1. 10
Kaukauna.....	1. 40
Liberty.....	1. 20
Maine.....	1. 20
Maple Creek.....	1. 20
Oneida.....	1. 30
Osborn.....	1. 20
Seymour.....	1. 20
Vandenbroek.....	1. 30

OZAUKEE COUNTY

All towns.....	\$1. 10
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PEPIN COUNTY

Town	Lime-stone
Albany.....	\$1. 40
Durand.....	1. 30
Frankfort.....	1. 40
Lima.....	1. 30
Pepin.....	1. 50
Stockholm.....	1. 60
Waterville.....	1. 40
Waubek.....	1. 30

PIERCE COUNTY

All towns.....	\$1. 80
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POLK COUNTY

Town	Lime-stone	Marl
Alden.....	\$1. 50	\$1. 00
Apple River.....	1. 60	1. 00
Balsam Lake.....	1. 60	1. 00
Beaver.....	1. 70	1. 00
Black Brook.....	1. 60	1. 00
Bone Lake.....	1. 80	1. 00
Clam Falls.....	1. 80	1. 00
Clayton.....	1. 70	1. 00
Clear Lake.....	1. 70	1. 00
Eureka.....	1. 70	1. 00
Farmington.....	1. 50	1. 00
Garfield.....	1. 50	1. 00
Georgetown.....	1. 80	1. 00
Johnstown.....	1. 80	1. 00
Laketown.....	1. 80	1. 00
Lincoln.....	1. 60	1. 00
Lorain.....	1. 80	1. 00
Luck.....	1. 80	1. 00
McKinley.....	1. 80	1. 00
Milltown.....	1. 70	1. 00
Osceola.....	1. 50	1. 00
St. Croix Falls.....	1. 60	1. 00
Sterling.....	1. 80	1. 00
West Sweden.....	1. 80	1. 00

PORTAGE COUNTY

Town	Lime-stone	Marl	Paper mill refuse	Wood ashes
Alban.....	\$2. 10	\$1. 00	-----	\$1. 30
Almond.....	1. 60	1. 00	\$1. 10	1. 20
Amherst.....	1. 80	1. 00	-----	1. 30
Belmont.....	1. 60	1. 00	-----	1. 20
Buena Vista.....	1. 60	1. 00	. 90	1. 20
Carson.....	2. 10	1. 00	1. 10	1. 40
Dewey.....	2. 10	1. 00	1. 10	1. 40
Eau Pleine.....	2. 10	1. 00	1. 10	1. 40

PORTAGE COUNTY—Cont.

Town	Lime-stone	Marl	Paper mill refuse	Wood ashes
Grant	\$2. 10	\$1. 00	\$0. 70	\$1. 40
Hull	2. 10	1. 00	. 90	1. 30
Lanark	1. 60	1. 00	—	1. 20
Linwood	2. 10	1. 00	. 80	1. 40
New Hope	1. 80	1. 00	—	1. 30
Pine Grove	2. 10	1. 00	. 80	1. 40
Plover	2. 10	1. 00	. 80	1. 30
Sharon	2. 10	1. 00	1. 10	1. 40
Stockton	1. 80	1. 00	1. 10	1. 30

PRICE COUNTY

Town	Lime-stone	Paper mill refuse	Car-bide refuse	Wood ashes
All towns	\$2. 40	\$1. 20	\$1. 80	\$0. 80

RACINE COUNTY

Town	Lime-stone
Burlington	\$1. 40
Caledonia	1. 60
Dover	1. 60
Mount Pleasant	1. 60
Norway	1. 50
Raymond	1. 60
Rochester	1. 60
Waterford	1. 60
Yorkville	1. 60

RICHLAND COUNTY

Akan	\$1. 60
Bloom	1. 60
Buena Vista	1. 60
Dayton	1. 60
Eagle	1. 60
Forest	1. 60
Henrietta	1. 70
Ithaca	1. 60
Marshall	1. 60
Orion	1. 60
Richland	1. 60
Richwood	1. 60
Rock Bridge	1. 70
Sylvan	1. 60
Westford	1. 70
Willow	1. 70

ROCK COUNTY

Town	Lime-stone
Avon	\$1. 10
Beloit	1. 10
Bradford	1. 10
Center	1. 10
Clinton	1. 10
Fulton	1. 30
Harmony	1. 20
Janesville	1. 30
Johnstown	1. 20
La Prairie	1. 10
Lima	1. 20
Magnolia	1. 10
Milton	1. 20
Newark	1. 10
Plymouth	1. 10
Porter	1. 30
Rock	1. 10
Spring Valley	1. 10
Turtle	1. 10
Union	1. 30

RUSK COUNTY

Town	Lime-stone	Carbide refuse
All towns	\$2. 50	\$1. 80

ST. CROIX COUNTY

Town	Lime-stone
All towns	\$1. 80

SAUK COUNTY

Baraboo	\$1. 70
Bear Creek	1. 80
Dellona	1. 80
Delton	1. 80
Excelsior	1. 90
Fairfield	1. 60
Franklin	1. 40
Freedom	1. 70
Greenfield	1. 60
Honey Creek	1. 40
Ironton	1. 40
LaValle	1. 50
Merrimac	1. 50
Prairie du Sac	1. 30
Reedsburg	1. 80
Spring Green	1. 40
Sumpter	1. 30
Troy	1. 40
Washington	1. 40

SAUK COUNTY—Continued

Town	Lime-stone
Westfield.....	\$1. 70
Winfield.....	1. 80
Woodland.....	1. 50

SAWYER COUNTY

Bass Lake.....	\$2. 50
Couderay.....	2. 50
Draper.....	2. 50
Edgewater.....	2. 50
Hayward.....	2. 50
Hunter.....	2. 70
Lenroot.....	2. 50
Meadow Brook.....	2. 50
Meteor.....	2. 50
Ojibwa.....	2. 50
Radisson.....	2. 40
Round Lake.....	2. 70
Sand Lake.....	2. 50
Spider Lake.....	2. 80
Weirgor.....	2. 50
Winter.....	2. 50

SHAWANO COUNTY

Almon.....	\$1. 70
Angelica.....	1. 40
Aniwa.....	1. 70
Bartelme.....	1. 60
Belle Plaine.....	1. 40
Birnamwood.....	1. 70
Fairbanks.....	1. 60
Germania.....	1. 60
Grant.....	1. 60
Green Valley.....	1. 40
Hartland.....	1. 40
Herman.....	1. 50
Hutchins.....	1. 70
Lessor.....	1. 40
Maple Grove.....	1. 40
Morris.....	1. 60
Navarino.....	1. 40
Pella.....	1. 50
Red Springs.....	1. 50
Richmond.....	1. 50
Seneca.....	1. 50
Washington.....	1. 50
Waukechon.....	1. 40
Wescott.....	1. 50
Wittenberg.....	1. 60

SHEBOYGAN COUNTY

All towns.....	\$1. 70
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TAYLOR COUNTY

Town	Lime-stone	Carbide refuse
Aurora.....	\$2. 50	-----
Browning.....	2. 50	-----
Chelsea.....	2. 50	-----
Cleveland.....	2. 50	-----
Deer Creek.....	2. 50	\$1. 60
Ford.....	2. 50	-----
Goodrich.....	2. 50	-----
Greenwood.....	2. 50	-----
Grover.....	2. 50	-----
Hammel.....	2. 50	-----
Holway.....	2. 50	-----
Jump River.....	2. 50	-----
Little Black.....	2. 50	1. 60
McKinley.....	2. 50	-----
Maplehurst.....	2. 50	-----
Medford.....	2. 50	-----
Molitor.....	2. 50	-----
Pershing.....	2. 50	-----
Rib Lake.....	2. 50	-----
Roosevelt.....	2. 50	-----
Taft.....	2. 50	-----
Westboro.....	2. 50	-----

TREMPEALEAU COUNTY

Town	Lime-stone
Albion.....	\$1. 50
Arcadia.....	1. 40
Burnside.....	1. 60
Caledonia.....	1. 50
Chimney Rock.....	1. 60
Dodge.....	1. 50
Ettrick.....	1. 60
Gale.....	1. 50
Hale.....	1. 60
Lincoln.....	1. 50
Pigeon.....	1. 60
Preston.....	1. 60
Summer.....	1. 70
Trempealeau.....	1. 50
Unity.....	1. 50

VERNON COUNTY

Bergen.....	\$1. 40
Christiana.....	1. 40
Clinton.....	1. 50
Coon.....	1. 40
Forest.....	1. 50
Franklin.....	1. 40
Genoa.....	1. 40
Greenwood.....	1. 50
Hamburg.....	1. 40
Harmony.....	1. 40
Hillsboro.....	1. 50
Jefferson.....	1. 40
Kickapoo.....	1. 40

VERNON COUNTY—Continued

Town	Lime-stone
Liberty.....	\$1. 40
Stark.....	1. 50
Sterling.....	1. 40
Union.....	1. 50
Viroqua.....	1. 40
Webster.....	1. 50
Wheatland.....	1. 40
Whitestown.....	1. 50

VILAS COUNTY

Arbor Vitae.....	\$2. 60
Boulder Junction.....	3. 00
Cloverland.....	2. 60
Conover.....	2. 60
Eagle River.....	2. 60
Flambeau.....	2. 70
Lincoln.....	2. 60
Manitowish Waters.....	2. 70
Phelps.....	2. 60
Plum Lake.....	2. 70
Presque Isle.....	2. 80
St. Germain.....	2. 60
State Line.....	2. 60
Washington.....	2. 60
Winchester.....	2. 70

WALWORTH COUNTY

Bloomfield.....	\$1. 50
Darien.....	1. 10
Delavan.....	1. 30
East Troy.....	2. 00
Geneva.....	1. 50
Lafayette.....	1. 80
LaGrange.....	1. 80
Linn.....	1. 30
Lyons.....	1. 80
Richmond.....	1. 30
Sharon.....	. 90
Spring Prairie.....	2. 00
Sugar Creek.....	1. 50
Troy.....	2. 00
Walworth.....	1. 10
Whitewater.....	1. 50

WASHBURN COUNTY

Town	Lime-stone	Marl
Barronett.....	\$2. 50	\$1. 40
Bashaw.....	2. 50	1. 20
Bass Lake.....	2. 50	1. 10

WASHBURN COUNTY—Cont.

Town	Lime-stone	Marl
Beaver Brook.....	\$2. 50	\$1. 20
Birchwood.....	2. 50	1. 20
Brooklyn.....	2. 50	1. 30
Casey.....	2. 50	1. 10
Chicog.....	2. 50	1. 30
Crystal.....	2. 50	1. 10
Evergreen.....	2. 50	1. 10
Frog Creek.....	2. 50	1. 70
Gull Lake.....	2. 50	1. 20
Long Lake.....	2. 50	1. 10
Madge.....	2. 50	1. 10
Minong.....	2. 50	1. 30
Sarona.....	2. 50	1. 30
Spooner.....	2. 50	1. 10
Spring Brook.....	2. 50	1. 10
Stimmett.....	2. 50	1. 20
Stone Lake.....	2. 50	1. 10
Trego.....	2. 50	1. 20

WASHINGTON COUNTY

Town	Lime-stone
Addison.....	\$1. 30
Barton.....	1. 30
Erin.....	1. 40
Farmington.....	1. 30
Germantown.....	1. 40
Hartford.....	1. 50
Jackson.....	1. 30
Kewaskum.....	1. 30
Polk.....	1. 30
Richfield.....	1. 40
Trenton.....	1. 30
Wayne.....	1. 50
West Bend.....	1. 30

WAUKESHA COUNTY

Brookfield.....	\$1. 50
Delafield.....	1. 50
Eagle.....	1. 60
Genesee.....	1. 40
Lisbon.....	1. 30
Menomonee.....	1. 50
Merton.....	1. 50
Mukwonago.....	1. 50
Muskego.....	1. 50
New Berlin.....	1. 50
Oconomowoc.....	1. 50
Ottawa.....	1. 50
Pewaukee.....	1. 40
Summit.....	1. 50
Vernon.....	1. 50
Waukesha.....	1. 50

WAUPACA COUNTY

Town	Lime-stone	Marl	Wood ashes
Bear Creek	\$1. 30	\$0. 70	\$0. 70
Caledonia	1. 00	. 70	. 70
Dayton	1. 50	. 70	. 70
Dupont	1. 30	. 70	. 70
Farmington	1. 30	. 70	. 70
Fremont	1. 10	. 70	. 70
Harrison	1. 50	. 70	. 70
Helvetia	1. 40	. 70	. 70
Iola	1. 40	. 70	. 70
Larrabee	1. 30	. 70	. 70
Lebanon	1. 30	. 70	. 70
Lind	1. 20	. 70	. 70
Little Wolf	1. 30	. 70	. 70
Matteson	1. 30	. 70	. 70
Mukwa	1. 20	. 70	. 70
Royalton	1. 30	. 70	. 70
St. Lawrence	1. 30	. 70	. 70
Scandinavia	1. 30	. 70	. 70
Union	1. 40	. 70	. 70
Waupaca	1. 20	. 70	. 70
Weyauwega	1. 10	. 70	. 70
Wyoming	1. 40	. 70	. 70

WAUSHARA COUNTY

Town	Lime-stone	Marl	Paper mill refuse
Aurora	\$1. 40	\$0. 80	-----
Bloomfield	1. 10	1. 10	-----
Coloma	1. 80	. 80	-----
Dakota	1. 60	. 70	-----
Deerfield	1. 60	. 80	-----
Hancock	1. 80	. 80	-----
Leon	1. 30	. 70	-----
Marion	1. 60	. 70	-----
Mount Morris	1. 50	. 70	-----
Oasis	1. 50	. 80	\$1. 10
Plainfield	1. 60	. 80	1. 10
Poysippi	1. 20	. 90	-----
Richford	1. 80	. 70	-----
Rose	1. 50	. 70	1. 10
Saxeville	1. 30	1. 10	-----
Springwater	1. 40	. 70	-----
Warren	1. 40	. 70	-----
Wautoma	1. 50	. 70	-----

WINNEBAGO COUNTY

Town	Lime-stone
Algoma	\$1. 30
Black Wolf	1. 30
Clayton	1. 20
Menasha	1. 20
Neenah	1. 20
Nekimi	1. 30
Nepeuskun	1. 40
Omro	1. 40
Oshkosh	1. 30
Poygan	1. 40
Rushford	1. 40
Utica	1. 40
Vinland	1. 30
Winchester	1. 10
Winneconne	1. 30
Wolf River	1. 10

WOOD COUNTY

Town	Lime-stone	Paper mill refuse
Arpin	\$2. 30	-----
Auburndale	2. 30	-----
Cameron	2. 30	-----
Cary	2. 30	\$1. 10
Cranmoor	2. 30	. 70
Dexter	2. 30	1. 10
Grand Rapids	2. 30	. 80
Hansen	2. 30	. 90
Hiles	2. 30	1. 10
Lincoln	2. 30	-----
Marshfield	2. 30	-----
Milladore	2. 30	-----
Port Edwards	2. 30	. 80
Remington	2. 30	. 90
Richfield	2. 30	1. 10
Rock	2. 30	-----
Rudolph	2. 30	. 90
Saratoga	2. 30	. 80
Seneca	2. 30	1. 10
Sherry	2. 30	1. 10
Sigel	2. 30	. 90
Wood	2. 30	1. 10

LIBRARY
CURRENT SERIAL RECORD

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